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# Water Supply Outlook For Utah



SOIL CONSERVATION SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

UTAH STATE DEPARTMENT of NATURAL RESOURCES

AS OF  
MAY 1, 1980

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.*

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE              | ADDRESS  |
|--------------------|--|
| Alaska             | Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504     |
| Arizona            | Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217                                |
| Idaho              | Room 345, 304 N. 8th. St., Boise, Idaho 83702                          |
| Montana            | P. O. Box 98, Bozeman, Montana 59715                                   |
| Nevada             | P. O. Box 4850, Reno, Nevada 89505                                     |
| Oregon             | 1220 S. W. Third Ave., Portland, Oregon 97204                          |
| Utah               | 4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138    |
| Washington         | 360 U. S. Court House, Spokane, Washington 99201                       |
| Wyoming            | P. O. Box 2440, Casper, Wyoming 82602                                  |

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.





# ***WATER SUPPLY OUTLOOK FOR UTAH***

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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# PROSPECTIVE WATER SUPPLIES

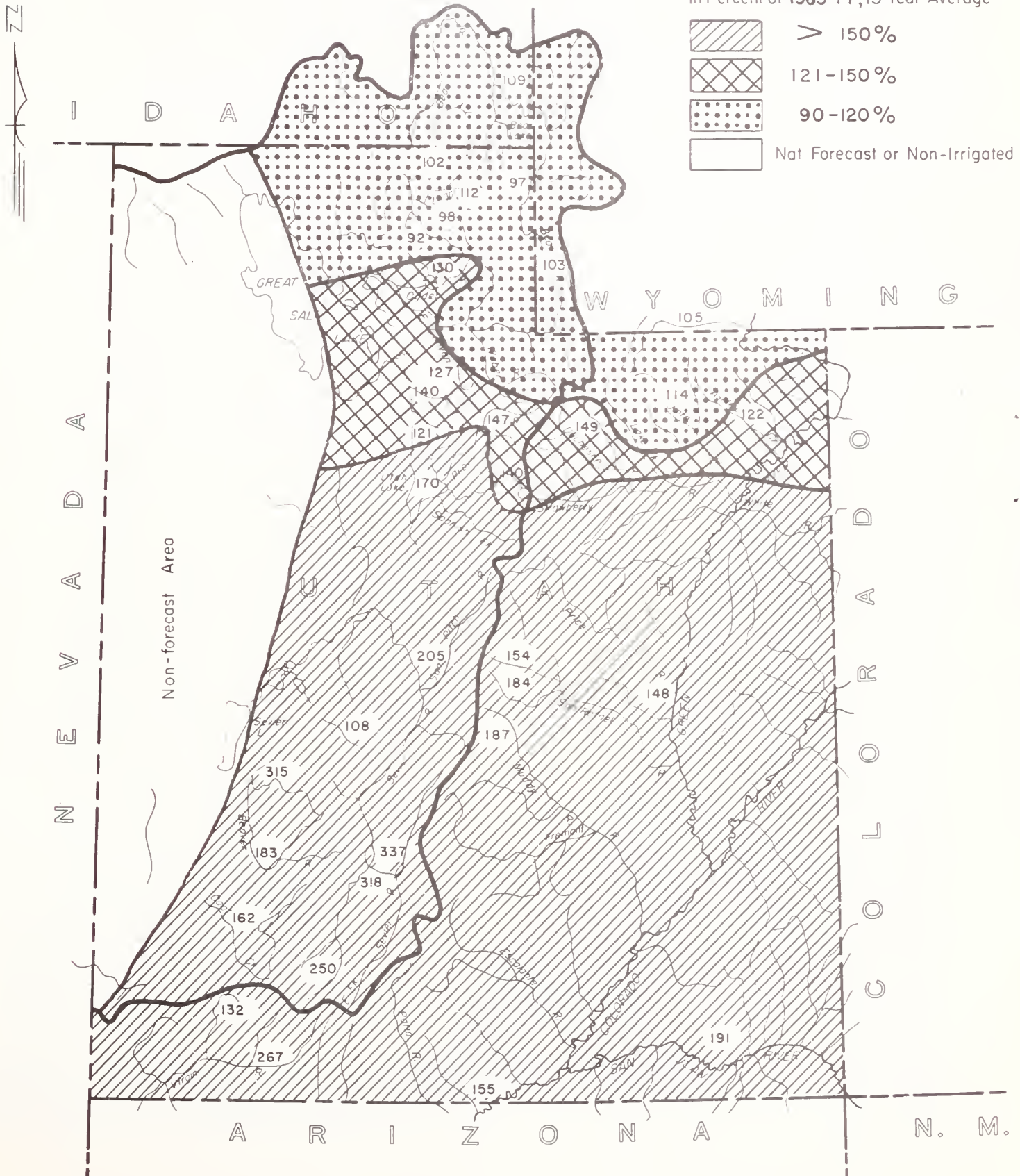
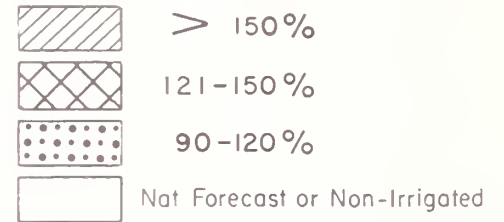
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

MAY 1, 1980

Approximate Date



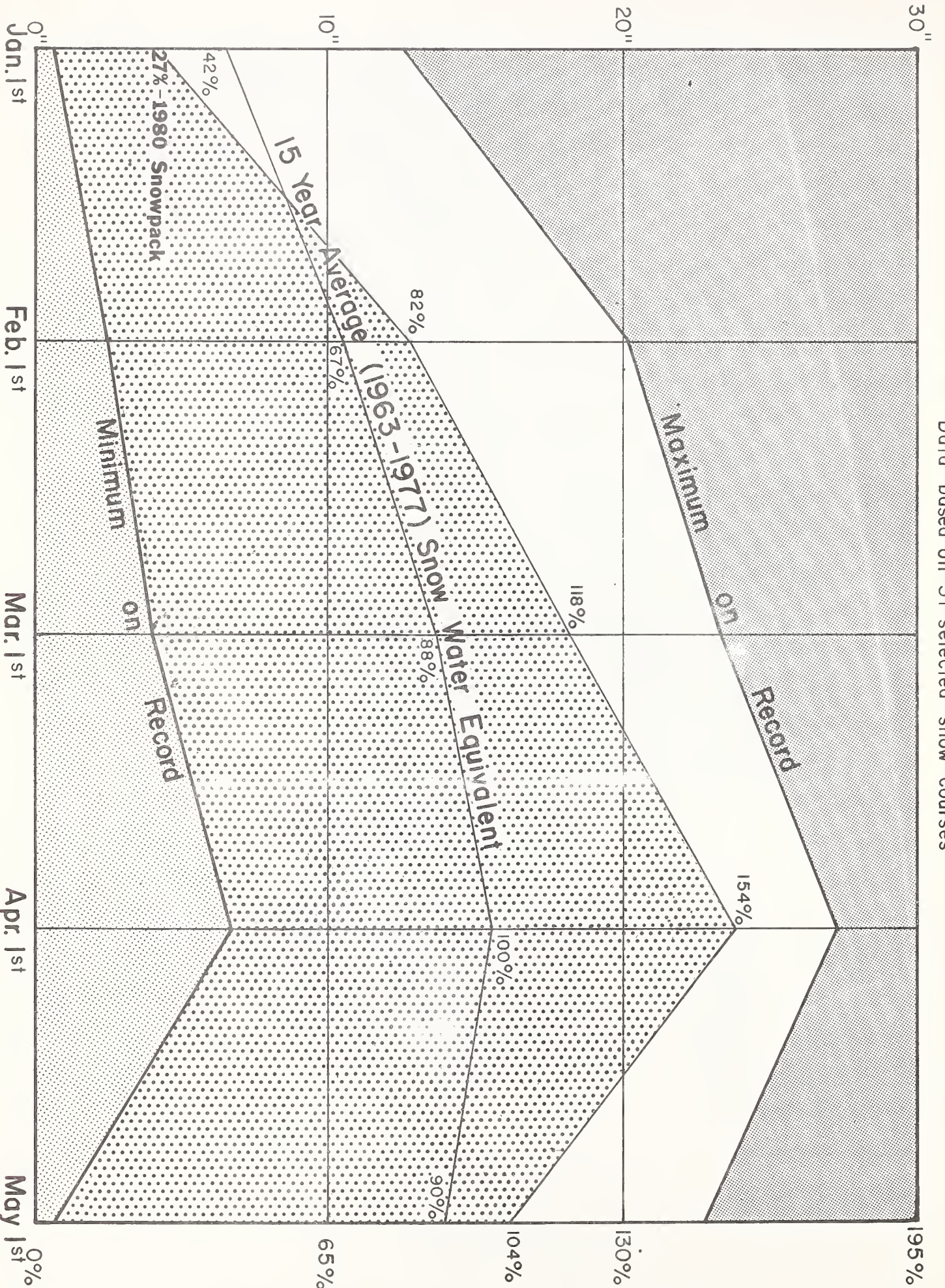
FORECAST STREAM FLOW  
in Percent of 1963-77, 15 Year Average





# UTAH'S WINTER SNOWPACK

Data based on 51 selected snow courses



PERCENT OF APRIL 1<sup>st</sup> SNOW WATER EQUIVALENT

1980 SNOWPACK





# WATER SUPPLY OUTLOOK

as of  
May 1, 1980

\* \* \* \* \*  
\* Utah's 1980 water supply outlook ranges from near \*  
\* average along the northern border to excellent in \*  
\* the southern third of the state. Snow Cover is \*  
\* 121% of average statewide and reservoir storage \*  
\* is 107% of average. Streamflow forecasts range \*  
\* from near average on the Bear to better than three \*  
\* times average on the Sevier. \*  
\* \* \* \* \*

## SNOW COVER

May 1 snow cover ranges from 77% of average on the Lower Bear to 324% on the Blue Mountains in southeastern Utah. Lower and middle elevation snow melted faster than normal during a warm, dry April.

Snow cover in other basins is as follows: Ogden River 106%, Weber River 106%, Provo 120%, Strawberry 159%, Lakefork 182%, Ashley 161%, Price 166%, San Rafael 154%, Muddy 152%, Lower Sevier 110%, Upper Sevier 172%, Virgin 191%, Beaver 173%, Coal Creek 195% of average.

## SOIL MOISTURE

Soil moisture improved as snow melted at medium and higher elevations. Valley soils began to lose moisture.

## RESERVOIR STORAGE

Reservoir storage in 24 key irrigation structures totaled 107% of average and 4% better than last year. Most reservoirs are now expected to fill as runoff progresses.

## STREAMFLOW FORECASTS

Streamflow forecasts now range from near average on the Bear River to better than three times average on the Sevier and Lower Beaver. Bear River Basin forecasts range from 92% for Little Bear to 112% for Logan River. Weber-Ogden forecasts range from 114% for the Weber at Oakley to 130% for Pineview Reservoir Inflow. Provo-Utah Lake tributary forecasts range from 164% for American Fork to 209% for Spanish Fork. Streams along the Salt Lake Front range from 121% for Little Cottonwood to 150% for Mill Creek.

Uintah Basin forecasts range from 107% on Whiterocks to 217% for Duchesne at Myton. Southeastern Utah forecasts range from 133% for Seven Mile Creek to 191% for San Juan near Bluff.

## WATER SUPPLY OUTLOOK (continued)

Sevier River forecasts range from 152% for Ephraim Creek on the San Pitch to 341% for the Sevier below Piute Dam.

Virgin River is forecast 267% at Hurricane and 132% for Santa Clara near Pine Valley. Coal Creek is forecast 162% and Beaver River 183% near Beaver and for North Creeks and 315% for the inflow to Minersville Reservoir.

Water users are expected to have near average supplies on the Bear River and above average to excellent water supplies in southern Utah.

**RESERVOIR STORAGE (Thousand Acre Feet)** END OF MONTH

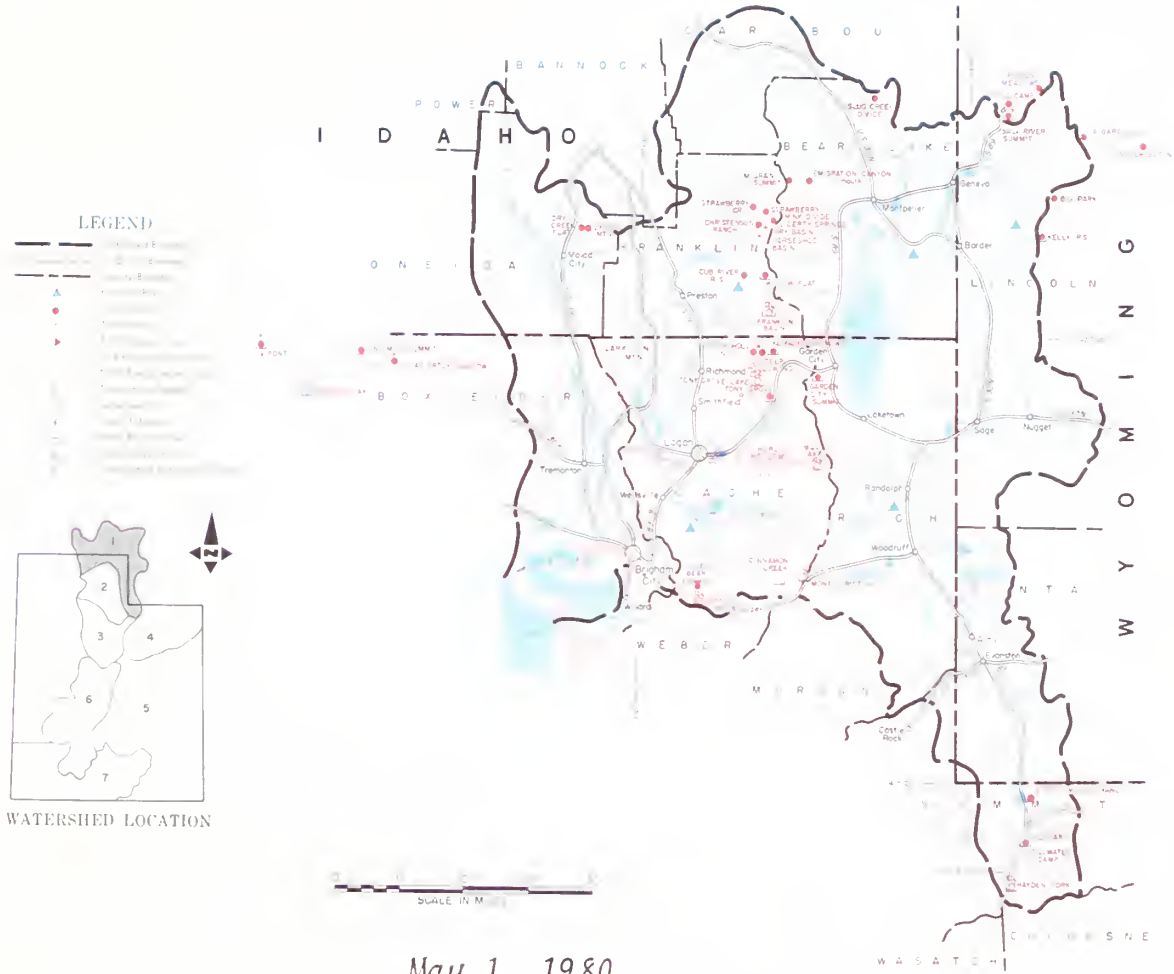
| Basin or Stream         | RESERVOIR           | Usable Capacity | Usable Storage |                   |                    |
|-------------------------|---------------------|-----------------|----------------|-------------------|--------------------|
|                         |                     |                 | This Year      | Last Year         | Average†           |
| GREAT BASIN             |                     |                 |                |                   |                    |
| <u>Bear River</u>       | Bear Lake           | 1421.0          | 1,116.1        | 1091.7            | 1098.4             |
|                         | Woodruff Narrows    | 26.5            | 19.0           | 26.5              | 25.7               |
| <u>Beaver River</u>     | Minersville (RkyFd) | 23.3            | 19.9           | 17.9              | 15.3               |
| <u>Little Bear</u>      | Hyrum               | 15.3            | 11.5           | 10.5              | 13.4               |
|                         | Porcupine           | 11.3            | 11.4           | 11.1              | 8.7                |
|                         | Causey              | 6.9             | 5.6            | 4.7               | 2.3 <sup>b</sup>   |
|                         | Pineview            | 110.1           | 83.1           | 92.0              | 76.9               |
| <u>Provo</u>            | Deer Creek          | 149.7           | 127.2          | 93.7              | 115.1              |
| <u>Settlement Creek</u> | Settlement Creek    | 1.2             | 0.6            | 0.8               | --                 |
|                         | Vernon Creek        | 0.6             | 0.6            | 0.6               | --                 |
|                         | Gunnison            | 18.2            | 18.2           | 17.2              | 14.9               |
|                         | Otter Creek         | 52.5            | 49.2           | 43.7              | 39.5               |
|                         | Piute               | 71.8            | 50.1           | 45.4              | 47.1               |
|                         | Sevier Bridge       | 236.0           | 192.9          | 123.9             | 144.6              |
| <u>Spanish Fork</u>     | Strawberry          | 270.0           | 182.0          | 176.3             | 166.0              |
| <u>Utah Lake</u>        | Utah Lake           | 883.9           | 886.8          | 883.9             | 775.5              |
| <u>Weber</u>            | East Canyon         | 48.1            | 39.7           | 43.3              | 33.1               |
|                         | Echo                | 73.9            | 45.4           | 63.0              | 55.2               |
|                         | Lost Creek          | 20.0            | 12.3           | 15.2              | 13.9 <sup>b</sup>  |
|                         | Rockport            | 60.9            | 32.9           | 40.4              | 37.2               |
|                         | Willard Bay         | 193.3           | 178.2          | 164.1             | 162.9 <sup>b</sup> |
| COLORADO RIVER BASIN    |                     |                 |                |                   |                    |
| <u>Ashley Creek</u>     | Steinaker           | 33.3            | 18.1           | 15.3              | 23.7               |
| <u>Colorado</u>         | Blue Mesa           | 829.5           | 352.1          | 274.7             | --                 |
|                         | Lake Powell         | 25002.0         | 21569.0        | 17317.0           | --                 |
| <u>Green</u>            | Flaming Gorge       | 3749.0          | 2381.8         | 2475.0            | --                 |
| <u>Lakefork</u>         | Moon Lake           | 35.8            | 11.9           | 12.0 <sup>e</sup> | 19.0               |
| <u>Price River</u>      | Scofield            | 65.8            | 45.2           | 40.7              | 36.9               |
| <u>San Juan</u>         | Navajo              | 1696.0          | 1181.0         | 1247.8            | --                 |
| <u>San Rafael</u>       | Huntington North    | 3.9             | 3.8            | 3.7               | 3.9 <sup>b</sup>   |
|                         | Joe's Valley        | 54.6            | 37.7           | 40.7              | 39.1 <sup>b</sup>  |
|                         | Mill Site           | 16.7            | 6.4            | 8.7               | --                 |
| <u>Strawberry</u>       | Starvation          | 165.3           | 79.6           | 101.3             | --                 |
| <u>Uintah</u>           | Bottle Hollow       | 11.3            | 11.0           | 10.8              | --                 |





# WATER SUPPLY OUTLOOK

## BEAR RIVER BASIN in UTAH



May 1, 1980

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER began to melt with warmer temperatures and is now gone from low and medium elevations. The Upper Bear is 86% of average and the Lower Bear is 77% of average for May 1.

PRECIPITATION at mountain stations ranged from 15 to 56% of the April average.

SOIL MOISTURE improved at higher and medium elevations as snow melt progressed but valley areas began to lose moisture with less than average precipitation.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 92% of average on the Little Bear to 112% on the Logan River. All water users should have a near average water supply this season.

**BEAR RIVER BASIN in UTAH**

**STREAMFLOW FORECASTS**

| STREAMFLOW FORECASTS   |                    | THIS YEAR          |          | PAST RECORD        |           |
|--|--------------------|--------------------|----------|--------------------|-----------|
| BASIN, STREAM and/or FORECAST POINT                              | FORECAST           |                    | FORECAST | THOUSAND ACRE FEET |           |
|  | Thousand Acre Feet | Percent of Average | PERIOD   | Last Year          | Average † |
| BEAR RIVER   |                    |                    |          |                    |           |
| Bear nr UT-Wyo. State Line                                       | 110                | 101                | May-July |                    | 109       |
| Bear nr Woodruff   | 130                | 103                | May-July |                    | 126       |
| Woodruff Crk nr Woodruff, UT                                     | 16.0               | 98                 | May-July |                    | 16.3      |
| Big Creek nr Randolph, Utah                                      | 5.0                | 104                | May-July |                    | 4.8b      |
| Bear nr Randolph   | 89                 | 97                 | May-July |                    | 92        |
| Thomas Fork nr UT-Wy State Ln                                    | 38                 | 109                | May-Sept |                    | 35        |
| Smith's Fork nr Border, Wyo.                                     | 125                | 104                | May-Sept |                    | 120       |
| Bear at Harer, Idaho 1/  | 268                | 99                 | May-Sept |                    | 271       |
| Logan nr Logan 1   | 116                | 1182               | May-July |                    | 104       |
| Blacksmith Fork nr Hyrum   | 39                 | 98                 | May-July |                    | 40        |
| Little Bear nr Paradise  | 24                 | 92                 | May-June |                    | 26        |
| Cub River nr Preston, ID   | 50                 | 102                | May-Sept |                    | 49        |
| 1 - Observed flow corrected for change in storage and diversions |                    |                    |          |                    |           |
| 2 - Provisional flows - Subject to correction                    |                    |                    |          |                    |           |
| b - Average of all past record less than 15 years                |                    |                    |          |                    |           |

**SUMMARY of SNOW MEASUREMENTS** (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Gauging Stations Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|-------------------------------------|---------------------------|---------|
|                                  |                                     | Last Year                 |         |
|                                  |                                     | Last Year                 | Average |
| BEAR RIVER                       | 20                                  | 89                        | 80      |
| UPPER BEAR RIVER                 | 7                                   | 107                       | 86      |
| LOWER BEAR RIVER                 | 13                                  | 82                        | 77      |
| LOGAN RIVER                      | 7                                   | 90                        | 83      |
| UPPER RAFT RIVER                 | --                                  | --                        | --      |

**RESERVOIR STORAGE (Thousand Acre Feet)**

| BASIN OR STREAM | RESERVOIR        | Usable Capacity | USEABLE STORAGE |           |           |
|-----------------|------------------|-----------------|-----------------|-----------|-----------|
|                 |                  |                 | This Year       | Last Year | Average † |
| BEAR RIVER      | Bear Lake        | 1421.0          | 1116.1          | 1091.7    | 1098.4    |
|                 | Woodruff Narrows | 26.5            | 19.0            | 26.5      | 25.7      |
| LITTLE BEAR     | Hyrum            | 15.3            | 11.5            | 10.5      | 13.4      |
|                 | Porcupine        | 11.3            | 11.4            | 11.1      | 8.7       |

**PEAK FLOWS**

| FORECAST POINT                | PEAK FLOW (SECOND FEET) |           |
|-------------------------------|-------------------------|-----------|
|                               | Forecast Range          | Average † |
| Bear River nr UT/WY Stateline | 1300-1800               | 1600      |
| Big Creek nr Randolph         | 60-100                  | 44        |
| Logan River nr Logan          | 900-1300                | 1016      |
| Woodruff Creek nr Woodruff    | 150-250                 | 267       |
| Little Bear nr Paradise       |                         | 517       |

+ - 1963-77 15 year Average Period

**SNOW**

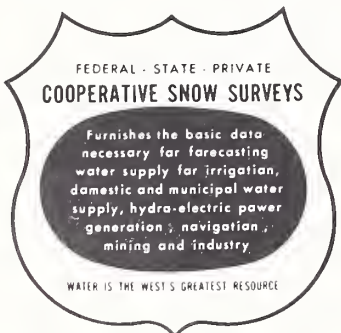
| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                   |
|                                   |                |                     |                        | Last Year              | Average †         |
| NAME                              |                |                     |                        |                        |                   |
| Burts-Miller Ranch                | 4/25           | 5                   | 1.5                    | 0.0                    | 3.0               |
| Cub River R.S.                    | 4/28           | 0                   | 0.0                    | 0.0                    | 0.0               |
| Emigrant Summit                   | 4/30           | 41                  | 19.4                   | 19.1                   | 24.9              |
| Franklin Basin                    | 4/28           | 49                  | 23.0                   | 24.8                   | 27.0 <sup>a</sup> |
| Hayden Fork                       | 4/25           | 39                  | 18.3                   | 13.5                   | 16.7              |
| Klondike Narrows                  | 4/28           | 28                  | 12.3                   | 15.1                   | 16.8              |

**SNOW**

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                   |
|                                   |                |                     |                        | Last Year              | Average †         |
| NAME                              |                |                     |                        |                        |                   |
| Little Bear Lower                 | 4/28           | 0                   | 0.0                    | 0.0                    | 2.1               |
| Little Bear Upper                 | 4/28           | 0                   | 0.0                    | 8.4                    | 6.7               |
| Monte Cristo                      | 4/28           | 53                  | 25.5                   | 24.7                   | 27.6              |
| Salt River Summit                 | 4/29           | 27                  | 10.0                   | 14.2                   | 15.4              |
| Stillwater Camp                   | 4/25           | 29                  | 11.4                   | 6.1                    | 10.2 <sup>b</sup> |
| Tony Grove R.S.                   | 4/28           | 0                   | 0.0                    | 4.2                    | 3.8               |

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SOIL CONSERVATION SERVICE  
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Salt Lake City, Utah 84138

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*"The Conservation of Water begins with the Snow Survey"*





SNOW COVER is now 106% of the May 1 average on both the Ogden and Weber watersheds after a warm, dry April. The Ogden snow cover is 13% less than last year on May 1 and the Weber is 24% more than a year ago.

SOIL MOISTURE improved with the melting of the snow pack at medium and high elevations. Valley soils are beginning to lose moisture after a dry April.

STREAMFLOW FORECASTS for the May-June period range from 93% for Farmington Creek to 130% for Pineview Inflow. The Weber at Oakley is forecast 114%, East Canyon Creek 127%, Chalk Creek 115%, Lost Creek 119%, and Hardscrabble Creek 102%. Rockport Reservoir Inflow is forecast 114% and Echo Reservoir Inflow 116% of the May-June average. All water users are expected to have near average water supplies this season.

WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT      | THIS YEAR          |                    | PAST RECORD        |                     |
|--|--------------------|--------------------|--------------------|---------------------|
|  | FORECAST           |                    | THOUSAND ACRE FEET |                     |
|  | Thousand Acre Feet | Percent of Average | PERIOD             | Last Year Average † |
| WEBER-OGDEN RIVERS                       |                    |                    |                    |                     |
| Weber nr Oakley                          | 109                | 114                | May-June           | 96                  |
| Rockport Reservoir Inflow <sup>1</sup>   | 112                | 114                | May-June           | 98                  |
| Chalk Creek at Coalville                 | 38                 | 115                | May-June           | 33                  |
| Weber nr Coalville                       | 121                | 116                | May-June           | 104                 |
| Echo Res. Inflow                         | 154                | 116                | May-June           | 133                 |
| Lost Creek nr Croydon, Utah              | 15.0               | 119                | May-June           | 12.6                |
| East Canyon Creek nr Morgan <sup>1</sup> | 22                 | 127                | May-June           | 17.3                |
| Hardscrabble Crk nr Porterville          | 16.6               | 102                | May-June           | 16.3 <sup>b</sup>   |
| South Fork Ogden nr Huntsville           | 54                 | 129                | May-June           | 42                  |
| Pineview Reservoir Inflow <sup>2</sup>   | 99                 | 130                | May-June           | 76                  |
| Weber at Gateway                         | 278                | 116                | May-June           | 238                 |
| JORDAN RIVER & SALT LAKE                 |                    |                    |                    |                     |
| Farmington Crk nr Farmington             | 6.4                | 93                 | May-July           | 6.9                 |

- 1 - Observed flow corrected for change in storage and diversions  
 2 - Inflow record as computed by U.S. Bureau of Reclamation  
 3 - Provisional flows - Subject to Correction  
 b - Average of all past record - less than 15 years

RESERVOIR STORAGE (Thousand Acre Feet)

| BASIN OR STREAM | RESERVOIR   | Usable Capacity | USEABLE STORAGE |           |                    |
|-----------------|-------------|-----------------|-----------------|-----------|--------------------|
|                 |             |                 | This Year       | Last Year | Average †          |
| OGDEN           | Causey      | 6.9             | 5.6             | 4.7       | 2.3 <sup>b</sup>   |
|                 | Pineview    | 110.1           | 83.1            | 92.0      | 76.9               |
| WEBER           | East Canyon | 48.1            | 39.7            | 43.3      | 33.1               |
|                 | Echo        | 73.9            | 45.4            | 63.0      | 55.2               |
|                 | Lost Creek  | 20.0            | 12.3            | 15.2      | 13.9 <sup>b</sup>  |
|                 | Rockport    | 60.9            | 32.9            | 40.4      | 37.2               |
|                 | Willard Bay | 193.3           | 178.2           | 164.1     | 162.9 <sup>b</sup> |

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| OGDEN RIVER                      | 5                          | 87                        | 106     |
| WEBER RIVER                      | 12                         | 124                       | 106     |

PEAK FLOWS

| FORECAST POINT                 | PEAK FLOW (SECOND FEET) |                  |
|--------------------------------|-------------------------|------------------|
|                                | Forecast Range          | Average †        |
| South Fork Ogden nr Huntsville | 850-1150                | 772              |
| Chalk Creek nr Coalville       | 500-850                 | 569              |
| Lost Creek nr Croydon          | 270-390                 | 206 <sup>b</sup> |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                  |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                  |
|                                   |                |                     |                        | Last Year              | Average †        |
| Beaver Creek R.S.                 | 4/25           | 10                  | 4.8                    | 0.0                    | 1.3              |
| Beaver Creek-Skunk Creek          | 4/28           | 13                  | 4.5                    | 7.4                    | 7.1              |
| Ben Lomond Peak                   | 4/28           | 84                  | 42.2                   | 44.6                   | 37.2             |
| Ben Lomond Trail                  | 4/28           | 22                  | 9.1                    | 15.4                   | 7.7 <sup>b</sup> |
| Chalk Creek #1                    | 4/25           | 62                  | 26.3                   | 20.4                   | 25.4             |
| Chalk Creek #2                    | 4/25           | 39                  | 16.2                   | 11.3                   | 15.3             |
| Dry Bread Pond                    | 4/28           | 43                  | 19.4                   | 19.3                   | 19.0             |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                   |
|                                   |                |                     |                        | Last Year              | Average †         |
| Horse Ridge                       | 4/28           | 39                  | 18.7                   | 20.0                   | 20.8 <sup>b</sup> |
| Lost Creek Reservoir              | 4/28           | 0                   | 0.0                    | 0.0                    | 0.0 <sup>b</sup>  |
| Monte Cristo                      | 4/28           | 53                  | 25.5                   | 24.7                   | 27.6              |
| Parleys Canyon Summit             | 4/29           | 32                  | 13.1                   | 11.6                   | 14.6              |
| Sagebrush Flat                    | 4/28           | 0                   | 0.0                    | 0.0                    | 0.0               |
| Smith & Morehouse                 | 4/25           | 32                  | 12.3                   | 7.1                    | 10.0              |
| Trial Lake                        | 4/25           | 75                  | 32.1                   | 25.0                   | 26.1              |

e - estimated

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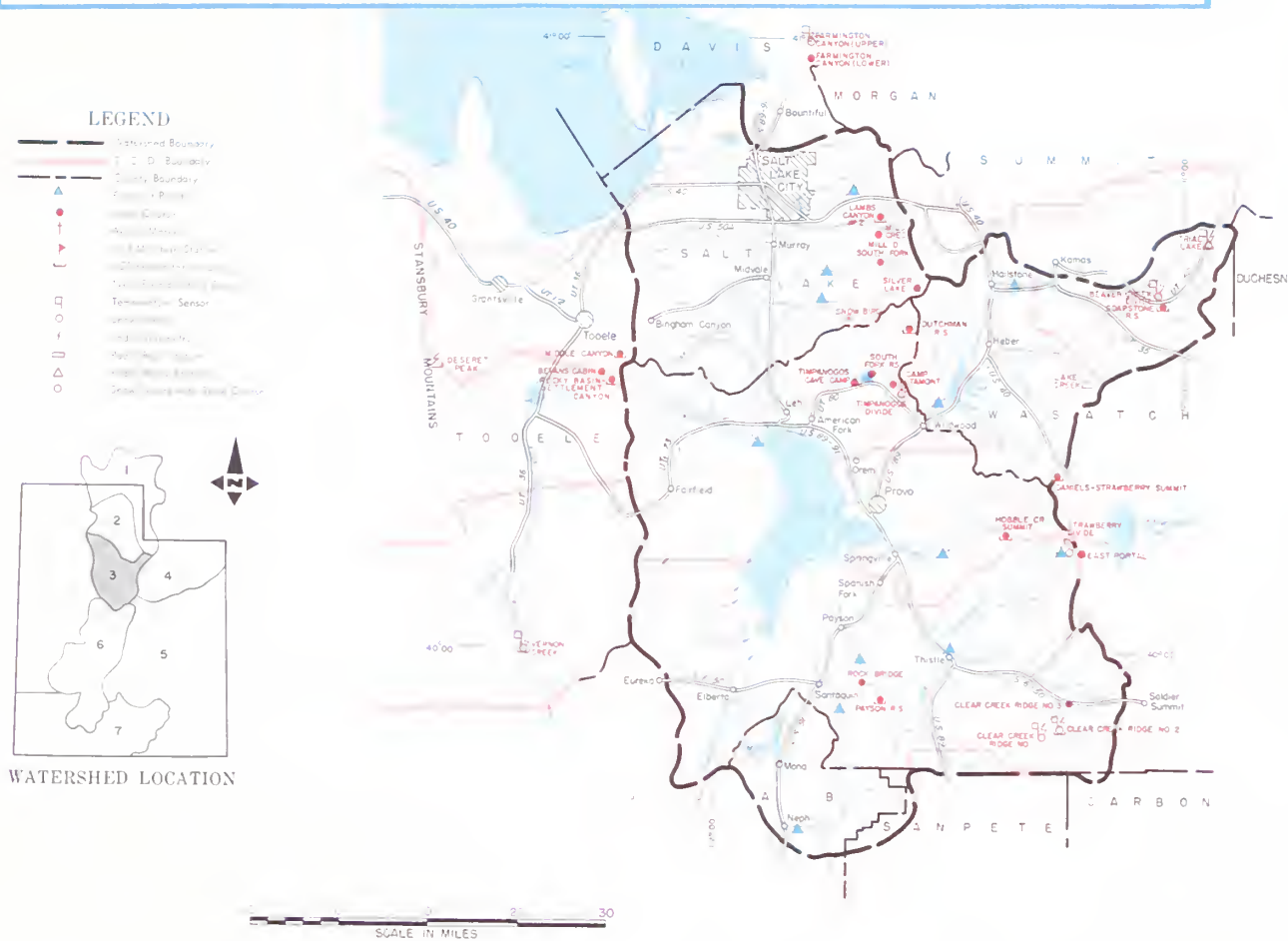
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"The Conservation of Water begins with the Snow Survey"

# WATER SUPPLY OUTLOOK

## UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



May 1, 1980

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 103% of the May 1 average in Tooele Valley to 120% on the Provo-Utah Lake watershed. Snow cover along the Salt Lake Front is now 106% of average.

PRECIPITATION at mountain stations ranged from 27% of the April average at Timpanogos Divide to 75% at Middle Canyon above Tooele.

SOIL MOISTURE improved at medium and higher elevations as the snow began to melt. Lower elevation soils have lost moisture during April.

RESERVOIR STORAGE is above average and above average April inflow caused Utah Lake to go above compromise at +0.03 feet.

STREAMFLOW FORECASTS now range from 114% for Settlement Creek to 209% for the Spanish Fork River. Provo River is forecast 170% at Deer Creek Dam and 170% for Utah Lake Inflow. Salt Lake Front streams are forecast 121% for Little Cottonwood to 150% for Mill Creek. Vernon Creek is forecast 167% of average. All water users are expected to have average or better water supplies this season.



# UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

## STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR          |                    | FORECAST PERIOD | PAST RECORD        |                   |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|
|                                     | FORECAST           | FORECAST           |                 | THOUSAND ACRE FEET |                   |
|                                     | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average †         |
| <b>PROVO RIVER AND UTAH LAKE</b>    |                    |                    |                 |                    |                   |
| Provo nr Hailstone 1                | 137                | 147                | May-July        |                    | 106               |
| Provo below Deer Creek Dam          | 168                | 170                | May-July        |                    | 100               |
| American Fork nr American Fork      | 46                 | 164                | May-July        |                    | 28                |
| Hobble Creek nr Springville         | 30                 | 208                | May-July        |                    | 14.4 <sup>b</sup> |
| Strawberry Reservoir Inflow         | 59                 | 140                | May-July        |                    | 42                |
| Spanish Fork at Thistle             | 63                 | 209                | May-July        |                    | 30 <sup>b</sup>   |
| Payson Creek nr Payson              | 7.0                | 137                | May-July        |                    | 5.1 <sup>b</sup>  |
| Utah Lake Inflow                    | 296                | 170                | May-July        |                    | 174.3             |
| <b>JORDAN RIVER &amp; SALT LAKE</b> |                    |                    |                 |                    |                   |
| Little Cottonwood Crk nr SLC        | 43                 | 121                | May-July        |                    | 35                |
| Big Cottonwood nr SLC               | 44                 | 129                | May-July        |                    | 34                |
| Parley's Creek nr SLC               | 17.0               | 140                | May-July        |                    | 12.1              |
| Mill Creek nr SLC                   | 8.1                | 150                | May-July        |                    | 5.4               |
| Emigration Creek nr SLC             | 4.2                | 145                | May-July        |                    | 2.9               |
| City Creek nr SLC                   | 9.5                | 138                | Apr-July        |                    | 6.9               |
| <b>TOOELE VALLEY</b>                |                    |                    |                 |                    |                   |
| Vernon Creek nr Vernon              | 1.0                | 167                | May-July        |                    | 0.6               |
| Settlement Crk nr Tooele            | 2.5                | 114                | May-July        |                    | 2.1 <sup>b</sup>  |

## RESERVOIR STORAGE (Thousand Acre Feet)

| BASIN OR STREAM | RESERVOIR        | Usable Capacity | USEABLE STORAGE |           |           |
|-----------------|------------------|-----------------|-----------------|-----------|-----------|
|                 |                  |                 | This Year       | Last Year | Average † |
| SPANISH FORK    | Strawberry       | 270.0           | 182.0           | 176.3     | 166.0     |
| UTAH LAKE       | Utah Lake        | 883.9           | 886.8           | 898.0     | 775.5     |
|                 | Settlement Creek | 1.2             | 0.6             | 0.8       | --        |
|                 | Vernon Creek     | 0.6             | 0.6             | 0.6       | --        |
| PROVO           | Deer Creek       | 149.7           | 127.2           | 93.7      | 115.1     |

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              |                |                     |                        | Last Year              | Average † |
| Bevans Cabin                      | 4/29           | 3                   | 1.5                    | 3.6                    | 5.9       |
| Camp Altamont                     | 4/29           | 28                  | 13.8                   | 12.5                   | 7.7       |
| Clear Creek #1                    | 5/3            | 47                  | 19.4                   | 19.1                   | 17.7      |
| Clear Creek #2                    | 5/3            | --                  | 5.0e                   | 0.0                    | 10.5      |
| Clear Creek #3                    | 5/3            | 0                   | 0.0                    | 0.0                    | 0.1       |
| Daniels-Strawberry Summit         | 5/3            | 30                  | 12.6                   | 12.7                   | 9.5       |
| Deseret Peak                      | 4/30           | 74                  | 34.0                   | --                     | --        |
| Dutchman R.S.                     | 4/29           | 41                  | 20.0                   | 13.8                   | 9.8       |
| Hobble Creek Summit               | 5/3            | 15                  | 7.2                    | 13.5                   | 7.7       |
| Lambs Canyon #2                   | 5/1            | 21                  | 8.2                    | 6.1                    | --        |
| Middle Canyon                     | 4/29           | 14                  | 6.4                    | 12.5                   | 10.4      |
| Mill Creek                        | 5/1            | 45                  | 18.8                   | 19.5                   | --        |

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| PROVO RIVER & UTAH LAKE          | 2                          | 114                       | 120     |
| JORDAN RIVER & SALT LAKE         | 6                          | 97                        | 106     |
| TOOELE VALLEY                    | 4                          | 92                        | 103     |

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction  
a - Partly estimated

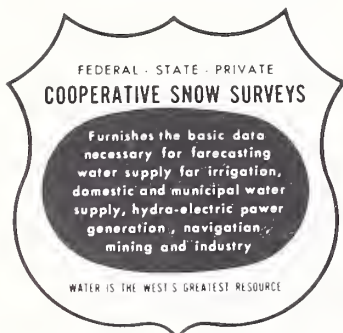
## PEAK FLOWS

| FORECAST POINT                   | PEAK FLOW (SECOND FEET) |                  |
|----------------------------------|-------------------------|------------------|
|                                  | Forecast Range          | Average †        |
| Hobble Creek nr Springville      | 400-500                 | 260 <sup>b</sup> |
| Spanish Fork nr Thistle          | 950-1150                | 482 <sup>b</sup> |
| Big Cottonwood nr Salt Lake City | 475-575                 | 310              |
| Mill Creek nr Salt Lake City     | 75-95                   | --               |
| Parleys Creek nr Salt Lake City  | 225-275                 | 116              |
| Little Cottonwood                | 550-650                 | --               |
| American Fork nr American Fork   | 550-700                 | --               |
| Provo nr Hailstone               | 2200-2500               | --               |
| Emigration Creek                 | 60-80                   | --               |
| City Creek                       | 100-125                 | --               |

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                  |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                  |
| NAME                              |                |                     |                        | Last Year              | Average †        |
| Mill D South Fork                 | 4/29           | 33                  | 14.8                   | 14.6                   | 16.2             |
| Parleys Canyon Summit             | 4/29           | 32                  | 13.1                   | 11.6                   | 14.6             |
| Payson R.S.                       | 5/3            | 31                  | 12.4                   | 16.6                   | 15.8             |
| Rocky Basin-Settlement Canyon     | 5/2            | 71                  | 33.2                   | 27.8                   | 30.2             |
| Silver Lake Brighton              | 4/29           | 62                  | 37.8                   | 31.4                   | 27.6             |
| Soapstone R.S.                    | 4/25           | 25                  | 9.2                    | 5.6                    | 7.9              |
| South Fork R.S.                   | 4/29           | 0                   | 0.0                    | --                     | --               |
| Timpanogos Divide                 | 4/29           | 69                  | 34.2                   | 24.0                   | 22.0             |
| Trail Lake                        | 4/25           | 75                  | 32.1                   | 25.0                   | 26.1             |
| Vernon Creek                      | 4/30           | 13                  | 6.5                    | 13.0                   | 4.0 <sup>b</sup> |

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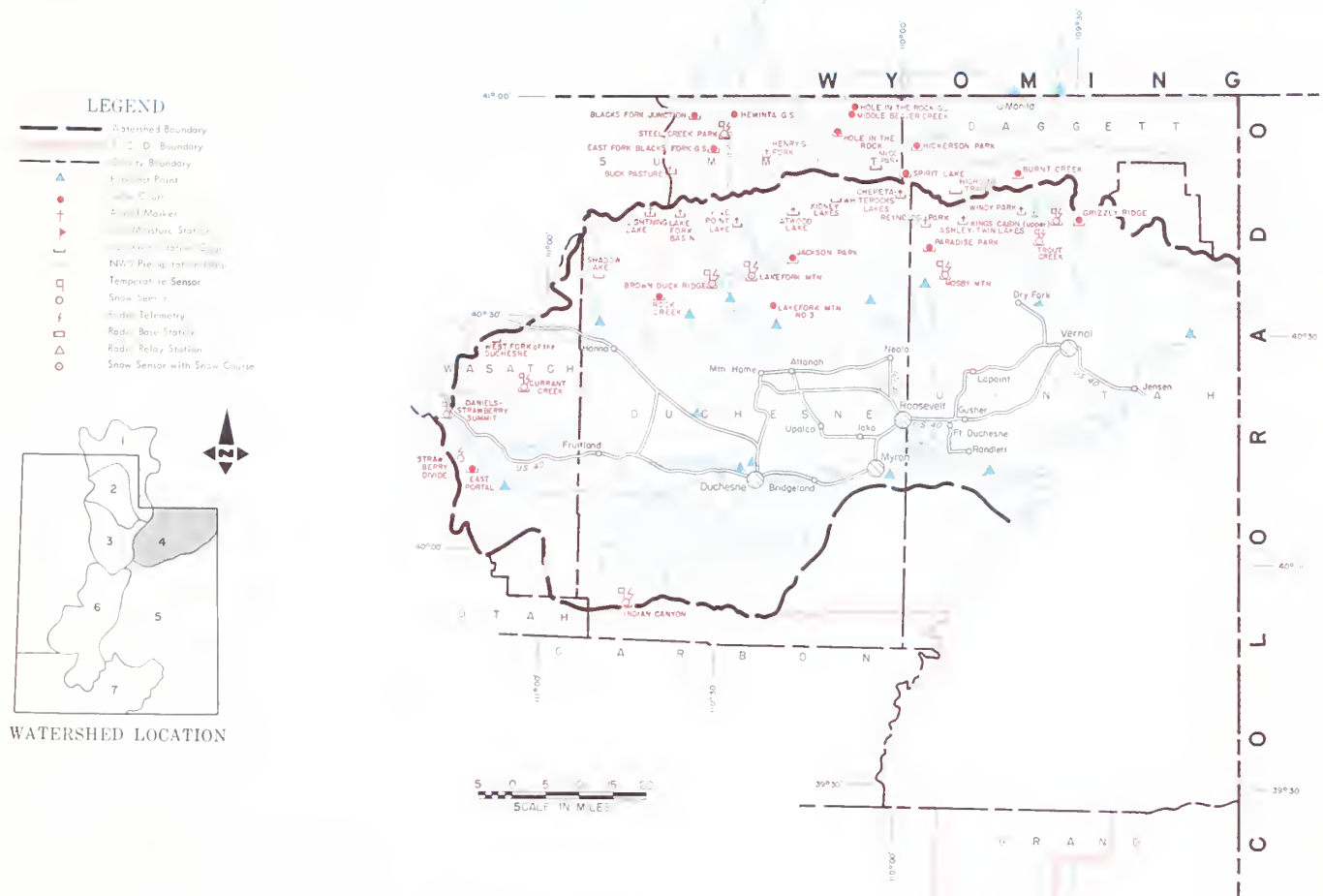
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# WATER SUPPLY OUTLOOK

## UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



May 1, 1980

THE WATER SUPPLY RANGES FROM AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from 118% of the May 1 average on Black's Fork to 182% on Lakefork-Yellowstone Rivers. The Uintah-Whiterocks Rivers are 164% and Ashley Creek 161% of the May 1 average. Aerial Markers flown May 5 indicate record water contents at Lightning Lake and Ashley-Twin Lakes. Others are near previous highs.

PRECIPITATION at mountain stations ranged from 58 to 82% of the April average.

SOIL MOISTURE improved with the beginning of snow melt at higher elevations.

RESERVOIR STORAGE is below the 15 year average but should fill as snow melt progresses.

STREAMFLOW FORECASTS for the May-June period range from 105% on Henry's Fork to 217% for the Strawberry at Duchesne. Ashley Creek is forecast 122%, Whiterocks 107%, Uintah 114%, Yellowstone 119%, Lakefork 113%, Rock Creek 137%, Duchesne at Tabiona 143%, and Currant Creek 130%. Flaming Gorge Inflow is forecast 112% of the April-July average. Water users are expected to have near average or better water supplies this season.

# UTAH BASIN and DAGGETT SCD's in UTAH

## STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT    | THIS YEAR          |                    | FORECAST PERIOD | PAST RECORD        |           |
|--|--------------------|--------------------|-----------------|--------------------|-----------|
|  | FORECAST           | FORECAST           |                 | THOUSAND ACRE FEET |           |
|  | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| <b>DUCHESNE RIVER</b>                  |                    |                    |                 |                    |           |
| Duchesne nr Tabiona <sup>1</sup>       | 146                | 149                | May-July        |                    | 98        |
| Duchesne at Duchesne <sup>1</sup>      | 264                | 147                | May-July        |                    | 180       |
| Strawberry at Duchesne                 | 104                | 217                | May-July        |                    | 48        |
| Rock Creek nr Mtn. Home                | 125                | 137                | May-July        |                    | 91        |
| Current Creek nr Fruitland             | 26                 | 130                | May-July        |                    | 16        |
| Lakefork below Moon Lake <sup>1</sup>  | 78                 | 113                | May-July        |                    | 69        |
| Yellowstone nr Altonah                 | 75                 | 119                | May-July        |                    | 63        |
| Duchesne at Myton <sup>1</sup>         | 350                | 181                | May-July        |                    | 193       |
| Whiterocks nr Whiterock                | 62                 | 107                | May-July        |                    | 58        |
| Uintah nr Neola                        | 101                | 114                | May-July        |                    | 89        |
| Duchesne at Randlett <sup>1</sup>      | 417                | 188                | May-July        |                    | 222       |
| West Fork Duchesne at Hanna            | 33                 | 138                | May-July        |                    | 24        |
| <b>FLAMING GORGE TO DUCHESNE RIVER</b> |                    |                    |                 |                    |           |
| Henry's Fork at Linwood                | 45                 | 105                | May-July        |                    | 43        |
| Black's Fork at Millburne              | 120                | 133                | May-July        |                    | 90        |
| Flaming Gorge Inflow <sup>1</sup>      | 1450               | 112                | Apr-July        |                    | 1292      |
| Ashley Creek nr Vernal                 | 61                 | 122                | May-July        |                    | 50        |

## SUMMARY of SNOW MEASUREMENTS

(COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| DUCHESNE RIVER - TOTAL           | 11                         | 123                       | 153     |
| LAKEFORK-YELLOWSTONE CREEKS      | 2                          | 195                       | 182     |
| STRAWBERRY RIVER                 | 3                          | 101                       | 159     |
| UINTAH - WHITEROCKS RIVERS       | 2                          | 129                       | 164     |
| ASHLEY CREEK                     | 1                          | 169                       | 161     |
| BLACK'S FORK                     | 3                          | 150                       | 118     |

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction

## RESERVOIR STORAGE (Thousand Acre Feet)

| BASIN OR STREAM | RESERVOIR     | Usable Capacity | USEABLE STORAGE |           |                    |
|-----------------|---------------|-----------------|-----------------|-----------|--------------------|
|                 |               |                 | This Year       | Last Year | Average †          |
| ASHLEY CREEK    | Steinaker     | 33.3            | 18.1            | 15.3      | 23.7               |
| GREEN RIVER     | Flaming Gorge | 3749.0          | 2381.8          | 2475.0    | --                 |
| LAKE FORK       | Moon Lake     | 35.8            | 11.9            | 12.0e     | 19.0               |
| STRAWBERRY      | Starvation    | 165.3           | 79.6            | 101.3     | 129.1 <sup>b</sup> |
| UINTAH          | Bottle Hollow | 11.3            | 11.0            | 10.8      | 10.7 <sup>b</sup>  |

## PEAK FLOWS

| FORECAST POINT         | PEAK FLOW (SECOND FEET) |           |
|------------------------|-------------------------|-----------|
|                        | Forecast Range          | Average † |
| Strawberry at Duchesne | 1050-1600               | 636       |
| Ashley Creek nr Vernal | 900-1400                | 1030      |

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              |                |                     |                        | Last Year              | Average † |
| Brown Duck Ridge                  | 4/25           | 70                  | 27.7                   | 21.5                   | 20.2a     |
| Current Creek                     | 5/3            | 13                  | 5.1                    | 5.9                    | 2.3a      |
| Daniels-Strawberry                | 5/3            | 30                  | 12.6                   | 12.7                   | 9.5       |
| Hewinta G.S.                      | 4/25           | 31                  | 11.9                   | 9.0                    | 10.4      |
| Hickerson Park                    | 4/25           | 32                  | 11.0                   | 7.0                    | 5.9a      |
| Hole-in-the-Rock                  | --             | --                  | --                     | --                     | --        |
| Hole-in-the-Rock G.S.             | --             | --                  | --                     | --                     | --        |
| Jackson Park                      | 4/26           | 51                  | 21.0                   | 16.0                   | --        |
| Kings Cabin Upper                 | 4/25           | 42                  | 16.6                   | 9.8                    | 10.3      |

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                  |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                  |
| NAME                              |                |                     |                        | Last Year              | Average †        |
| Lakefork Mountain                 | 4/26           | 42                  | 17.9                   | 10.7                   | 11.9             |
| Mosby Mountain                    | 4/26           | 47                  | 18.7                   | 11.9                   | 9.9              |
| Paradise Park                     | 4/26           | 49                  | 20.9                   | 18.8                   | 14.3             |
| Rock Creek Ranch                  | 4/25           | 16                  | 6.9                    | 0.0                    | 1.3 <sup>b</sup> |
| Spirit Lake                       | 4/25           | 50                  | 20.7                   | 15.3                   | 15.5             |
| Steel Creek Park                  | 4/25           | 59                  | 22.3                   | 14.2                   | 18.7             |
| Strawberry Divide                 | 5/1            | 46                  | 19.8                   | 20.1                   | --               |
| Trout Creek                       | 4/25           | 38                  | 13.7                   | 9.9                    | --               |

e - estimated

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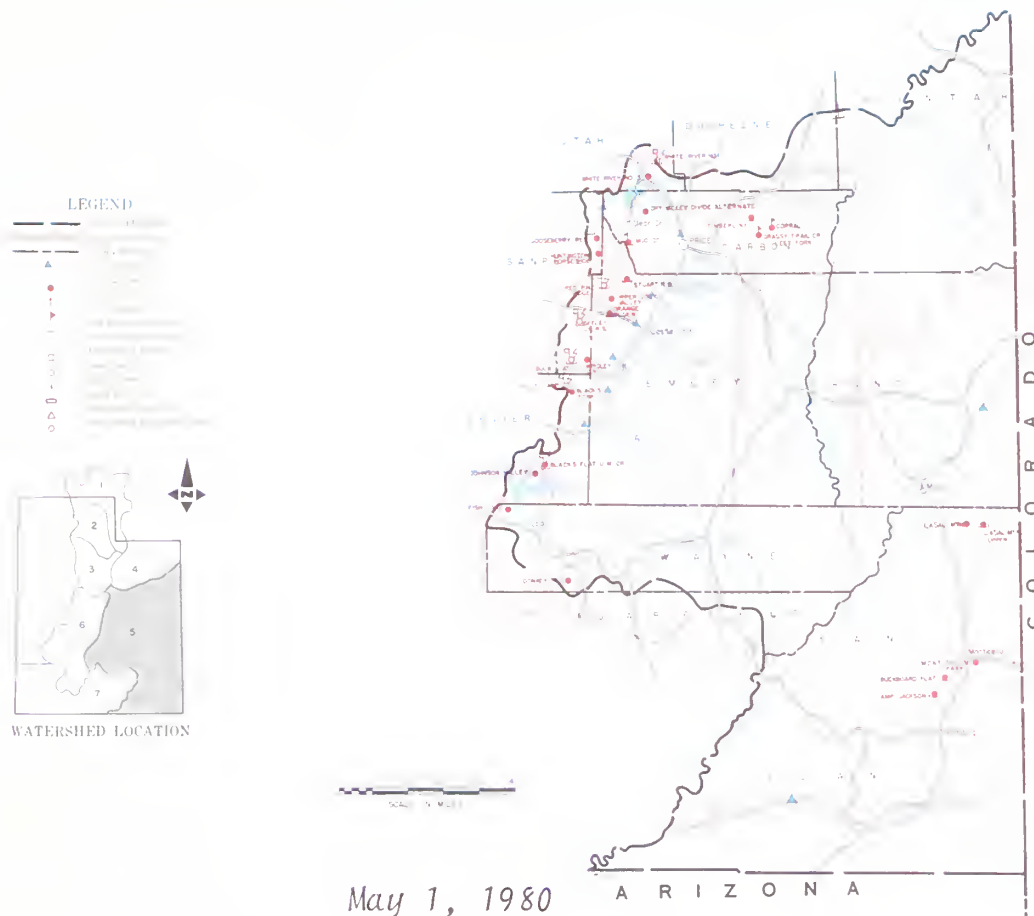
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# WATER SUPPLY OUTLOOK

## CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



### THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

*SNOW COVER* ranges from 115% of the May 1 average on the Fremont River to 324% on the Blue Mountains above Monticello. Price River is 166%, San Rafael 154%, and LaSal Mountains 224%.

*PRECIPITATION* at mountain stations ranged from 68% of the April average at Indian Canyon to 158% at Orange Olsen.

*SOIL MOISTURE* improved as snow melt started at higher elevations.

*RESERVOIR STORAGE* is above average in Scofield and near average in Joe's Valley and Huntington North. Reservoirs are expected to fill as snow melt progresses.

*STREAMFLOW FORECASTS* range from 133% of the May-July average for Seven Mile Creek to 191% for the San Juan. Scofield Inflow is forecast 156%, Huntington Creek 155%, Cottonwood 154%, Ferron 184%, Muddy Creek 187%, and Mill Creek 181% of average. Water users in this area are expected to have better than average water supplies this year.

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR          |                    |          | PAST RECORD        |                  |
|-------------------------------------|--------------------|--------------------|----------|--------------------|------------------|
|                                     | FORECAST           |                    | PERIOD   | THOUSAND ACRE FEET |                  |
|                                     | Thousand Acre Feet | Percent of Average |          | Last Year          | Average †        |
| PRICE RIVER                         |                    |                    |          |                    |                  |
| Gooseberry Crk nr Scofield          | 13.0               | 138                | May-July |                    | 9.4              |
| Scofield Reservoir Inflow           | 50                 | 156                | May-July |                    | 31               |
| Price nr Heiner <sup>1</sup>        | 78                 | 150                | May-July |                    | 52 <sup>b</sup>  |
| SAN RAFAEL RIVER                    |                    |                    |          |                    |                  |
| Huntington Crk nr Huntington        | 65                 | 155                | May-July |                    | 45 <sup>b</sup>  |
| Cottonwood Crk nr Orangeville       | 63                 | 154                | May-July |                    | 41 <sup>b</sup>  |
| Ferron Creek nr Ferron              | 59                 | 184                | May-July |                    | 32               |
| MUDDY CREEK                         |                    |                    |          |                    |                  |
| Muddy Creek nr Emery                | 29                 | 187                | May-July |                    | 15.5             |
| UPPER COLORADO BASIN                |                    |                    |          |                    |                  |
| Colorado nr Cisco, Utah             | 4500               | 166                | Apr-July |                    | 2835             |
| Green at Green River, Utah          | 4400               | 148                | Apr-July |                    | 2839             |
| Mill Creek nr Moab                  | 7.8                | 181                | May-July |                    | 4.3 <sup>b</sup> |
| Navajo Reservoir Inflow             | 1150               | 189                | Apr-July |                    | 597              |
| San Juan nr Bluff, Utah             | 1650               | 191                | Apr-July |                    | 853              |
| FREMONT RIVER                       |                    |                    |          |                    |                  |
| Seven Mile Crk nr Fish Lake         | 7.6                | 133                | May-July |                    | 5.7              |

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| PRICE RIVER                      | 3                          | 129                       | 166     |
| SAN RAFAEL RIVER                 | 6                          | 124                       | 154     |
| FREMONT RIVER                    | 3                          | 74                        | 115     |
| LASAL MOUNTAINS                  | 2                          | 184                       | 224     |
| BLUE MOUNTAINS                   | 2                          | 94                        | 324     |

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

| BASIN OR STREAM | RESERVOIR        | Usable Capacity | USEABLE STORAGE |           |                   |
|-----------------|------------------|-----------------|-----------------|-----------|-------------------|
|                 |                  |                 | This Year       | Last Year | Average †         |
| PRICE RIVER     | Scofield         | 65.8            | 45.2            | 40.7      | 36.9              |
| SAN RAFAEL      | Huntington North | 3.9             | 3.8             | 3.7       | 3.9 <sup>b</sup>  |
|                 | Joe's Valley     | 54.6            | 37.7            | 40.7      | 39.1 <sup>b</sup> |
|                 | Mill Site        | 16.7            | 6.4             | 11.1      | --                |
| SAN JUAN        | Navajo           | 1696.0          | 1181.0          | 1247.8    | --                |

+ - 1963-77 15 Year Average Period

<sup>b</sup> - Average of all past record - less than 15 years

PEAK FLOWS

| FORECAST POINT           | PEAK FLOW (SECOND FEET) |           |
|--------------------------|-------------------------|-----------|
|                          | Forecast Range          | Average † |
| Ferron Creek near Ferron | 500-850                 | 442       |
| Muddy Creek near Emery   | 200-300                 | 154       |

SNOW

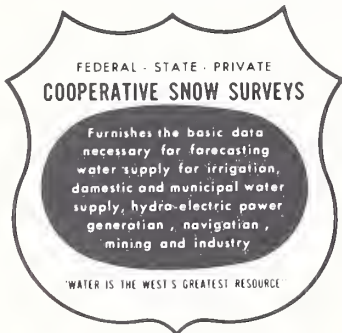
| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                  |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                  |
|                                   |                |                     |                        | Last Year              | Average †        |
| Buck Flat                         | 5/2            | 54                  | 23.9                   | 19.9                   | 15.4             |
| Buckboard Flat                    | 4/24           | 51                  | 20.1                   | 22.0                   | 7.1              |
| Camp Jackson                      | 4/24           | 52                  | 21.7                   | 22.3                   | 5.8              |
| Dills Camp                        | 5/2            | 37                  | 15.0                   | 11.1                   | 9.9 <sup>a</sup> |
| Dry Valley Divide Alternate       | 5/3            | 10                  | 3.6                    | 5.6                    | --               |
| Huntington-Horseshoe              | 5/2            | 70                  | 31.9                   | 30.0                   | --               |

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                  |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                  |
|                                   |                |                     |                        | Last Year              | Average †        |
| Mammoth-Cottonwood R.S.           | 5/3            | 51                  | 22.2                   | 25.0                   | 19.1             |
| Monticello City Park              | 4/24           | 0                   | 0.0                    | 0.0                    | --               |
| Mud Creek                         | 5/2            | 34                  | 13.1                   | 9.6                    | 7.9              |
| Seeley Creek                      | 5/2            | 53                  | 23.7                   | 20.5                   | 17.2             |
| White River #1                    | 5/3            | 27                  | 10.8                   | 15.4                   | 10.5             |
| White River #3                    | 5/3            | 0                   | 0.0                    | 0.0                    | 1.0 <sup>b</sup> |

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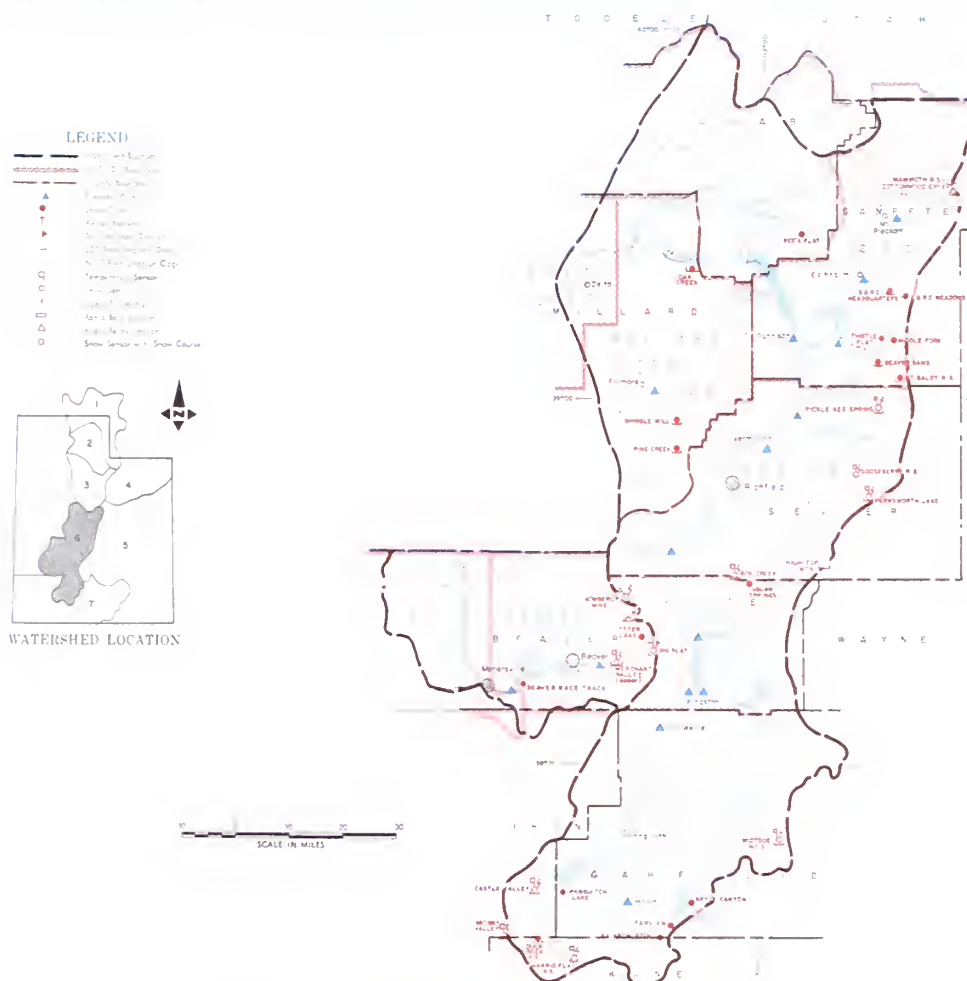
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# WATER SUPPLY OUTLOOK

## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS EXCELLENT

SNOW COVER ranges from 110% of the May 1 average on the Lower Sevier to 172% on the South Fork Sevier. The East Fork is 152% of average and the Beaver River 173%.

PRECIPITATION at mountain stations ranged from 56% of the April average at Gooseberry Reservoir to 158% at Widtsoe #3. Most stations received less than average moisture.

SOIL MOISTURE improved as snow melt began at higher elevation stations.

RESERVOIR STORAGE is above average and all reservoirs are expected to fill.

STREAMFLOW FORECASTS range from 108% on Chalk Creek to 341% for Sevier below Piute Dam. The Sevier is forecast 250% at Hatch, 313% at Circleville, 318% at Kingston, 337% for the East Fork, and 205% at Gunnison. Clear Creek is forecast 170%, Salina Creek 154%, Chicken Creek 188%, Oak Creek 200%, Ephraim Creek 152%, and Pleasant Creek 135% of the April-July average. Beaver River is forecast 183%, North Creeks 183%, and Minersville Inflow 315% of average.

All water users are expected to have better than average water supplies this season.



## SEVIER RIVER BASIN including BEAVER RIVER in UTAH

## STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR          |                    | FORECAST PERIOD | PAST RECORD        |                   |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-------------------|
|                                     | Forecast           | Percent of Average |                 | THOUSAND ACRE FEET |                   |
|                                     | Thousand Acre Feet |                    |                 | Last Year          | Average †         |
| SEVIER RIVER                        |                    |                    |                 |                    |                   |
| Sevier at Hatch                     | 88                 | 250                | May-July        |                    | 35                |
| Sevier nr Circleville               | 72                 | 313                | May-July        |                    | 23                |
| Sevier nr Kingston                  | 54                 | 318                | May-July        |                    | 16.9              |
| Antimony Crk nr Antimony            | 10.5               | 185                | May-July        |                    | 5.7 <sup>b</sup>  |
| East Fork Sevier nr Kingston        | 35                 | 337                | May-July        |                    | 10.5              |
| Sevier below Piute Dam              | 91                 | 341                | May-July        |                    | 27                |
| Clear Crk nr Sevier (abv Div)       | 26                 | 170                | May-July        |                    | 15.3              |
| Inflow                              |                    |                    |                 |                    |                   |
| Kingston to Vermillion Dam          | 95                 | 190                | Apr-June        |                    | 50                |
| Vermillion Dam to Gunnison          | 60                 | 171                | Mar-June        |                    | 35                |
| Salina Creek at Salina              | 16.0               | 154                | May-June        |                    | 10.4              |
| Sevier nr Gunnison                  | 78                 | 205                | May-July        |                    | 38                |
| Chalk Creek nr Fillmore             | 14.2               | 108                | May-July        |                    | 13.1              |
| Chicken Creek nr Levan              | 4.5                | 188                | May-July        |                    | 2.4               |
| Oak Cr. nr Oak City                 | 2.0                | 200                | May-July        |                    | 1.0 <sup>b</sup>  |
| SAN PITCH RIVER                     |                    |                    |                 |                    |                   |
| Ephraim Creek nr Ephraim            | 20                 | 152                | May-July        |                    | 13.2 <sup>b</sup> |
| Pleasant Crk nr Mt. Pleasant        | 10.7               | 135                | May-July        |                    | 7.9 <sup>b</sup>  |
| BEAVER RIVER                        |                    |                    |                 |                    |                   |
| Beaver nr Beaver                    | 33                 | 183                | May-July        |                    | 18.0              |
| North Creek (Combined)              | 22                 | 183                | May-July        |                    | 12.0 <sup>b</sup> |
| Minersville Reservoir Inflow        | 17.0               | 315                | May-June        |                    | 5.4               |

## SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| UPPER SEVIER RIVER               | 8                          | 75                        | 164     |
| East Fork Sevier                 | 3                          | 87                        | 152     |
| South Fork Sevier                | 6                          | 71                        | 172     |
| LOWER SEVIER                     | 10                         | 96                        | 110     |
| BEAVER RIVER                     | 3                          | 90                        | 173     |

1 - Observed flow corrected for change in storage and diversions  
2 - Provisional flows - Subject to correction

## PEAK FLOWS

| FORECAST POINT              | PEAK FLOW (SECOND FEET) |           |
|-----------------------------|-------------------------|-----------|
|                             | Forecast Range          | Average † |
| Sevier River at Hatch       | 875-1000                |           |
| Sevier River nr Circleville |                         |           |
| Sevier River nr Kingston    | 750-850                 |           |
| Clear Creek nr Sevier       | 375-450                 |           |
| Salina Creek nr Salina      | 600-800                 |           |
| Beaver River nr Beaver      | 350-550                 | 212       |
| E Fk Sevier nr Kingston     | 725-825                 |           |

| BASIN OR STREAM | RESERVOIR            | Usable Capacity | USEABLE STORAGE |           |           |
|-----------------|----------------------|-----------------|-----------------|-----------|-----------|
|                 |                      |                 | This Year       | Last Year | Average † |
| SEVIER RIVER    | Gunnison             | 18.2            | 18.2            | 17.2      | 14.9      |
|                 | Otter Creek          | 52.5            | 49.2            | 43.7      | 39.5      |
|                 | Piute                | 71.8            | 50.1            | 45.4      | 47.1      |
|                 | Sevier Bridge        | 236.0           | 192.9           | 123.9     | 144.6     |
| BEAVER RIVER    | Minersville (Rky Fd) | 23.3            | 19.9            | 17.9      | 15.3      |

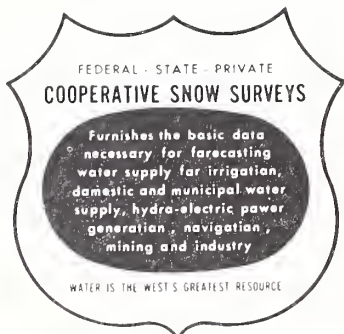
b - Average of all past record - less than 15 years  
+ - 1963-77 15 Year Average Period  
e - Estimated

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |           |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-----------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           |
| NAME                              |                |                     |                        | Last Year              | Average † |
| Big Flat                          | 4/30           | 79                  | 29.1                   | 30.2                   | 18.6      |
| Bryce Canyon                      | 5/5            | 0                   | 0.0                    | 2.9                    | 2.9       |
| Castle Valley                     | 4/30           | 34                  | 13.4                   | 22.2                   | 7.2       |
| Duck Creek                        | 5/4            | 39                  | 18.1                   | 25.4                   | 7.8       |
| Farnsworth Lake                   | 4/30           | 61                  | 24.1                   | 22.4                   | 22.2      |
| Gooseberry R.S.                   | 5/4            | 16                  | 5.1                    | 6.2                    | 10.2      |

## SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                   |
| NAME                              |                |                     |                        | Last Year              | Average †         |
| Harris Flat                       | 5/4            | 12                  | 4.4                    | 20.2                   | 2.1               |
| Kimberly Mine                     | 4/30           | 50                  | 21.2                   | 22.4                   | 15.8              |
| Long Valley Junction              | 5/3            | 0                   | 0.0                    | 0.0                    | 0.0 <sup>b</sup>  |
| Merchants Valley Upper            | 4/30           | 35                  | 14.1                   | 15.8                   | 5.9 <sup>b</sup>  |
| Midway Valley                     | 5/4            | 77                  | 36.6                   | 42.2                   | 21.5              |
| Otter Lake                        | 4/30           | 51                  | 19.9                   | 24.4                   | 12.1              |
| Pickle Keg Springs                | 5/4            | 40                  | 17.8                   | 16.7                   | 15.1 <sup>b</sup> |
| Widtsoe-Escalante #3              | 5/4            | 37                  | 16.3                   | 21.2                   | 9.0               |

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*"The Conservation of Water begins with the Snow Survey"*

# WATER SUPPLY OUTLOOK

## EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE  
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS EXCELLENT

**SNOW COVER** ranges from 72% of average for the Enterprise-New Harmony area to 195% for Coal Creek. Virgin River is 191% of average Parowan Creek is 127%.

**PRECIPITATION** at mountain stations ranged from 42% at Webster Flat to 80% at Yankee Reservoir.

**SOIL MOISTURE** at higher elevations is improving as the snow melts. Lower elevation soils are losing moisture.

**RESERVOIR STORAGE** is above average.

**STREAMFLOW FORECASTS** range from 132% of average on the Santa Clara to 267% for the Virgin near Hurricane. Coal Creek is forecast 162% and the Inflow to Lake Powell is 155%.

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS                          |                    | THIS YEAR          |                 | PAST RECORD        |           |
|---|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN, STREAM and/or FORECAST POINT           | FORECAST           |                    | FORECAST PERIOD | THOUSAND ACRE FEET |           |
|   | Thousand Acre Feet | Percent of Average |                 | Last Year          | Average † |
| VIRGIN RIVER                                  |                    |                    |                 |                    |           |
| Virgin nr Hurricane                           | 80                 | 267                | May-June        |                    | 30        |
| Santa Clara nr Pine Valley                    | 5.0                | 132                | May-June        |                    | 3.8       |
| COAL CREEK                                    |                    |                    |                 |                    |           |
| Coal Creek nr Cedar City                      | 23                 | 162                | May-July        |                    | 14.2      |
| UPPER COLORADO                                |                    |                    |                 |                    |           |
| Lake Powell Inflow                            | 10800              | 155                | Apr-July        |                    | 6881      |
| 2 - Provisional Flows - Subject to correction |                    |                    |                 |                    |           |

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

| RIVER BASIN and/or SUB-WATERSHED | Number of Courses Averaged | THIS YEAR AS A PERCENT OF |         |
|----------------------------------|----------------------------|---------------------------|---------|
|                                  |                            | Last Year                 | Average |
| COAL CREEK                       | 3                          | 85                        | 195     |
| VIRGIN RIVER                     | 2                          | 97                        | 191     |
| PAROWAN CREEK                    | 4                          | 88                        | 127     |
| ENTERPRISE - NEW HARMONY         | 2                          | --                        | 72      |

RESERVOIR STORAGE (Thousand Acre Feet)

| BASIN OR STREAM                                     | RESERVOIR   | Usable Capacity | USEABLE STORAGE |           |           |
|---|-------------|-----------------|-----------------|-----------|-----------|
|   |             |                 | This Year       | Last Year | Average † |
| COLORADO  | Lake Powell | 25002.0         | 21569.0         | 17380.0   | --        |
|   | Blue Mesa   | 829.5           | 352.1           | 274.0     | --        |
| b - Average of all past record - less than 15 years |             |                 |                 |           |           |
| + - 1963-77 15 year Average Period                  |             |                 |                 |           |           |

PEAK FLOWS

| FORECAST POINT           | PEAK FLOW (SECOND FEET) |           |
|--------------------------|-------------------------|-----------|
|                          | Forecast Range          | Average † |
| Coal Creek nr Cedar City | 500-600                 | --        |
| Virgin nr Hurricane      | 1500-1700               | --        |

SNOW

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (inches) | Water Content (inches) | Water Content (inches) |                   |
|                                   |                |                     |                        | Last Year              | Average †         |
| NAME                              |                |                     |                        |                        |                   |
| Birch Crossing                    | 4/30           | 0                   | 0.0                    | 0.0                    | 2.5 <sup>b</sup>  |
| Brian Head                        | 4/28           | 63                  | 28.0                   | 32.6                   | 20.8 <sup>b</sup> |
| Harris Flat                       | 5/4            | 12                  | 4.4                    | 20.2                   | 2.1               |
| Kolob-Crystal                     | 4/29           | 81                  | 34.8                   | 38.9                   | 22.5 <sup>a</sup> |
| Little Grassy                     | 4/29           | 0                   | 0.0                    | 0.0                    | 0.2               |
| Long Flat                         | 4/29           | 5                   | 1.8                    | 0.0                    | 2.3               |
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SNOW

SNOW

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR      |                     |                        | PAST RECORD            |                   |
|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------------|
|                                   | Date of Survey | Snow Depth (inches) | Water Content (inches) | Water Content (inches) |                   |
|                                   |                |                     |                        | Last Year              | Average †         |
| NAME                              |                |                     |                        |                        |                   |
| Long Valley Junction              | 5/3            | 0                   | 0.0                    | 0.0                    | 0.0 <sup>b</sup>  |
| SUSC Ranch                        | 4/30           | 8                   | 2.7                    | 11.5                   | 2.5 <sup>b</sup>  |
| Tall Poles                        | 4/30           | 42                  | 17.3                   | 18.8                   | 12.3 <sup>b</sup> |
| Webster Flat                      | 4/29           | 62                  | 34.4                   | 32.7                   | 13.8              |
| Yankee Reservoir                  | 4/30           | 25                  | 8.8                    | 10.4                   | 7.0               |

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

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FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"



# SNOW

| SNOW                                     | THIS YEAR                         |                |                     | PAST RECORD            |                        | PRECIPITATION (Inches) |                     |                       |                    |                             |           |                    |
|--|-----------------------------------|----------------|---------------------|------------------------|------------------------|------------------------|---------------------|-----------------------|--------------------|-----------------------------|-----------|--------------------|
|  | DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                        | CURRENT INFORMATION |                       |                    | FROM APPROX. OCT. 1 TO DATE |           |                    |
|  |                                   |                |                     |                        | Last Year              | Average †              | Date of Reading     | Month's Precipitation | Average †          | This Year                   | Average † | Percent of Average |
| NAME                                     |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| GREAT BASIN                              |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| UPPER BEAR RIVER<br>(Above Harer, Idaho) |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Big Park                                 | 5/1                               | 43             | 18.8                | 17.8                   | 22.7                   |                        |                     |                       |                    |                             |           |                    |
| Burts-Miller Ranch                       | 4/25                              | 5              | 1.5                 | 0.0                    | 3.0                    | 4/25                   | 0.40                | 2.66 <sup>b</sup>     | 13.35              | 14.66 <sup>b</sup>          | 91        |                    |
| CCC Camp                                 | 4/29                              | 14             | 5.4                 | 8.4                    | 10.4                   |                        |                     |                       |                    |                             |           |                    |
| Hayden Fork                              | 4/25                              | 39             | 18.3                | 13.5                   | 16.7                   | 4/25                   | 2.30                | 4.08 <sup>b</sup>     | 26.92              | 24.14                       | 112       |                    |
| Monte Cristo R.S.                        | 4/28                              | 53             | 25.5                | 24.7                   | 27.6                   | 4/28                   | 2.14                | 5.22                  | 32.61              | 31.17                       | 105       |                    |
| Salt River Summit                        | 4/29                              | 27             | 10.0                | 14.2                   | 15.4                   | 4/29                   | 2.37                | 2.53                  | 21.05              | 19.76                       | 107       |                    |
| Stillwater Camp                          | 4/25                              | 29             | 11.4                | 6.1                    | 10.2 <sup>b</sup>      | 4/25                   | 1.60                | 3.40                  | 19.91              | 15.79                       | 126       |                    |
| Lily Lake                                | 4/25                              | 40             | 17.3                | --                     | --                     |                        |                     |                       |                    |                             |           |                    |
| LOWER BEAR RIVER<br>(Below Harer, Idaho) |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Bug Lake                                 | 4/28                              | 40             | 17.4                | 19.1                   | 19.2 <sup>a</sup>      | 4/28                   | 1.30 <sup>e</sup>   | --                    | 25.90 <sup>e</sup> | --                          | --        |                    |
| Cub River R.S.                           | 4/28                              | 0              | 0.0                 | 0.0                    | 0.0                    |                        |                     |                       |                    |                             |           |                    |
| Emigrant Summit                          | 4/30                              | 41             | 19.4                | 19.1                   | 24.9                   |                        |                     |                       |                    |                             |           |                    |
| Franklin Basin                           | 4/28                              | 49             | 23.0                | 24.8                   | 27.0 <sup>a</sup>      |                        |                     |                       |                    |                             |           |                    |
| Garden City Summit                       | 4/28                              | 37             | 15.9                | 18.1                   | 18.5                   | 4/28                   | 1.50                | 3.10                  | 21.39              | 22.33                       | 96        |                    |
| Klondike Narrows                         | 4/28                              | 28             | 12.3                | 15.1                   | 16.8                   | 4/28                   | 1.82 <sup>b</sup>   | 3.75 <sup>b</sup>     | 26.83              | 27.60 <sup>b</sup>          | 103       |                    |
| Little Bear (lower)                      | 4/28                              | 0              | 0.0                 | 0.0                    | 2.1                    |                        |                     |                       |                    |                             |           |                    |
| Little Bear (upper)                      | 4/28                              | 0              | 0.0                 | 8.4                    | 6.7                    | 4/28                   | 1.50 <sup>e</sup>   | --                    | 30.00 <sup>e</sup> | --                          | --        |                    |
| Slug Creek Divide                        | 4/30                              | 19             | 17.9                |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Steep Hollow #1                          | 4/28                              | 74             | 35.5                | 38.6                   | 40.8                   |                        |                     |                       |                    |                             |           |                    |
| Steep Hollow #2                          | 4/28                              | 44             | 20.2                | 22.3                   | 25.2                   |                        |                     |                       |                    |                             |           |                    |
| Tony Grove Lake                          | 4/28                              | 69             | 34.4                | 34.4                   | 37.6 <sup>a</sup>      |                        |                     |                       |                    |                             |           |                    |
| Tony Grove R.S.                          | 4/28                              | 0              | 0.0                 | 4.2                    | 3.8                    | 4/28                   | 1.48                | --                    | 24.85              | --                          | --        |                    |
| Willow Flat                              | 4/28                              | 6              | 2.3                 | 10.2                   | 5.5 <sup>b</sup>       | 4/28                   | 1.71                | 4.62 <sup>b</sup>     | 28.18              | 27.51                       | 102       |                    |
| OGDEN RIVER                              |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Beaver Creek-Skunk Creek                 | 4/28                              | 13             | 4.5                 | 7.4                    | 7.1                    |                        |                     |                       |                    |                             |           |                    |
| Ben Lomond Peak                          | 4/28                              | 84             | 42.2                | 44.6                   | 37.2                   |                        |                     |                       |                    |                             |           |                    |
| Ben Lomond Trail                         | 4/28                              | 22             | 9.1                 | 15.4                   | 7.7 <sup>b</sup>       | 4/28                   | 1.14                | 5.38 <sup>b</sup>     | 44.74              | 34.12 <sup>b</sup>          | 131       |                    |
| Causey Dam                               | 4/28                              |                |                     |                        |                        | 4/28                   | 1.08                | 2.42                  | 20.80              | 16.64                       | 125       |                    |
| Dry Bread Pond                           | 4/28                              | 43             | 19.4                | 19.3                   | 19.0                   | 4/28                   | 2.40 <sup>e</sup>   | 4.44 <sup>b</sup>     |                    | 25.28                       |           |                    |
| Sagebrush Flat                           | 4/28                              | 0              | 0.0                 | 0.0                    | 0.0                    | 4/28                   | 1.18                | 2.48 <sup>b</sup>     | 22.11              | 16.83                       | 131       |                    |
| WEBER RIVER                              |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Beaver Creek R.S.                        | 4/25                              | 10             | 4.8                 | 0.0                    | 1.3                    |                        |                     |                       |                    |                             |           |                    |
| Chalk Creek #1                           | 4/25                              | 62             | 26.3                | 20.4                   | 25.4                   | 4/25                   | 2.80 <sup>e</sup>   | --                    | 33.00 <sup>e</sup> | --                          | --        |                    |
| Chalk Creek #2                           | 4/25                              | 39             | 16.2                | 11.3                   | 15.3                   | 4/25                   | 1.90 <sup>e</sup>   | --                    | 21.20 <sup>e</sup> | --                          | --        |                    |
| Chalk Creek #3                           | 4/25                              | 14             | 6.3                 | 0.0                    | 3.5                    | 4/25                   | 2.00                | 3.45 <sup>b</sup>     | 19.60              | 17.39 <sup>b</sup>          | 113       |                    |
| East Shingle Lake (A)                    | 5/5                               | 68             | 30.6                | 27.8                   | --                     |                        |                     |                       |                    |                             |           |                    |
| Farmington Canyon (lower)                | 4/28                              | 53             | 22.4                | 29.7                   | 22.5                   | 4/28                   | 0.99                | 6.29 <sup>b</sup>     | 35.04              | 33.92                       | 103       |                    |
| Farmington Canyon (upper)                | 4/28                              | 71             | 32.4                | 35.1                   | 33.3                   |                        |                     |                       |                    |                             |           |                    |
| Farmington G.S.                          |                                   |                |                     |                        |                        | 4/28                   | 1.09                | 6.16 <sup>b</sup>     | 28.61              | 33.24 <sup>b</sup>          | 86        |                    |
| Horse Ridge                              | 4/28                              | 39             | 18.7                | 20.0                   | 20.8 <sup>b</sup>      | 4/28                   | 1.95                | 4.74 <sup>b</sup>     | 32.11              | 28.38                       | 113       |                    |
| Kilfoil                                  | 4/28                              | 34             | 13.0                | 14.2                   | 10.3 <sup>b</sup>      |                        |                     |                       |                    |                             |           |                    |
| Lost Creek Reservoir                     | 4/28                              | 0              | 0.0                 | 0.0                    | 0.0 <sup>b</sup>       | 4/28                   | 0.89                | --                    | 17.34              | --                          | --        |                    |
| Park City Summit                         | 5/7                               | 45             | 22.7                | --                     | --                     |                        |                     |                       |                    |                             |           |                    |
| Parley's Canyon Summit                   | 4/29                              | 32             | 13.1                | 11.6                   | 14.6                   | 4/29                   | 2.70                | 5.03                  | 28.89              | 27.58                       | 105       |                    |
| Pine Canyon                              | 4/28                              | 40             | 16.1                | --                     | --                     |                        |                     |                       |                    |                             |           |                    |
| Redden Mine (lower)                      | 4/25                              | 49             | 19.8                | --                     | 18.3                   | 4/25                   | 2.05                | --                    | 23.58              | --                          | --        |                    |
| Sargeant Lakes (A)                       | 5/5                               | 13             | 5.8                 | 14.0                   | --                     |                        |                     |                       |                    |                             |           |                    |
| Smith & Morehouse                        | 4/25                              | 32             | 12.3                | 7.1                    | 10.0                   | 4/25                   | 1.85                | 4.26                  | 23.79              | 22.01                       | 108       |                    |
| PROVO RIVER & UTAH LAKE                  |                                   |                |                     |                        |                        |                        |                     |                       |                    |                             |           |                    |
| Beaver Creek Divide                      | 4/25                              | 20             | 8.7                 | 3.8                    | 8.7 <sup>a</sup>       | 4/25                   | 1.60 <sup>e</sup>   | --                    | 22.70 <sup>e</sup> | --                          | --        |                    |
| Camp Altamont                            | 4/29                              | 28             | 13.8                | 12.5                   | 7.7                    |                        |                     |                       |                    |                             |           |                    |
| Clear Creek Ridge #1                     | 5/3                               | 47             | 19.4                | 19.1                   | 17.7                   | 5/3                    | 2.60 <sup>e</sup>   | --                    | 29.80 <sup>e</sup> | --                          | --        |                    |
| Clear Creek Ridge #2                     | 5/3                               | --             | 5.0 <sup>e</sup>    | 13.4                   | 10.5                   |                        |                     | 3.31                  |                    | 19.37                       |           |                    |
| Clear Creek Ridge #3                     | 5/3                               | 0              | 0.0                 | 0.0                    | 0.1                    |                        |                     |                       |                    |                             |           |                    |
| Dutchman R.S.                            | 4/29                              | 41             | 20.0                | 13.8                   | 9.8                    | 4/29                   | 1.25                | 4.17 <sup>b</sup>     | 34.10              | 24.99                       | 136       |                    |
| Hobble Creek Summit                      | 5/3                               | 15             | 5.8                 | 13.5                   | 7.7                    | 5/3                    | 2.08                | 3.20                  | 27.71              | 20.39                       | 136       |                    |
| Payson R.S.                              | 5/3                               | 31             | 12.4                | 16.6                   | 15.8                   |                        |                     | 3.58                  |                    | 21.53                       |           |                    |
| Soapstone R.S.                           | 4/25                              | 25             | 9.2                 | 5.6                    | 7.9                    | 4/25                   | 1.60                | 3.57                  | 22.62              | 19.79                       | 114       |                    |
| South Fork R.S.                          | 4/29                              | 0              | 0.0                 | --                     | --                     |                        |                     |                       |                    |                             |           |                    |
| Timpanogos Cave Camp                     | 4/29                              | 0              | 0.0                 | 0.0                    | --                     |                        |                     |                       |                    |                             |           |                    |
| Timpanogos Divide                        | 4/29                              | 69             | 34.2                | 24.0                   | 22.0                   | 4/29                   | 1.15                | 4.30                  | 41.85              | 29.39                       | 142       |                    |
| Trial Lake                               | 4/25                              | 75             | 32.1                | 25.0                   | 26.1                   | 4/25                   | 2.35                | 4.89                  | 35.05              | 28.73                       | 122       |                    |



# SNOW

| DRAINAGE BASIN and/or SNOW COURSE<br>NAME         | THIS YEAR      |                     |                        | PAST RECORD            |                   | PRECIPITATION (Inches) |                       |                   | FROM APPROX. OCT 1 TO DATE |                    |                    |
|---|----------------|---------------------|------------------------|------------------------|-------------------|------------------------|-----------------------|-------------------|----------------------------|--------------------|--------------------|
|   | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |                   | Date of Reading        | Month's Precipitation | Average †         | This Year                  | Average †          | Percent of Average |
|   |                |                     |                        | Last Year              | Average †         |                        |                       |                   |                            |                    |                    |
| JORDAN RIVER & GREAT SALT LAKE                    |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Bevan's Cabin                                     | 4/29           | 3                   | 1.5                    | 3.6                    | 5.9               |                        |                       |                   |                            |                    |                    |
| Deseret Peak                                      | 4/30           | 74                  | 34.0                   | 24.9                   | --                |                        |                       |                   |                            |                    |                    |
| Lamb's Canyon #2                                  | 5/1            | 21                  | 8.2                    | 6.1                    | --                | 5/1                    | 2.30                  | --                | 23.79                      | --                 | --                 |
| Middle Canyon                                     | 4/29           | 14                  | 6.4                    | 12.5                   | 10.4              | 4/29                   | 3.20                  | 4.28 <sup>b</sup> | 36.00                      | 20.20              | 178                |
| Mill Creek  | 5/1            | 45                  | 18.8                   | 19.5                   | --                |                        |                       |                   |                            |                    |                    |
| Mill D South Fork                                 | 4/29           | 33                  | 14.8                   | 14.6                   | 16.2              |                        |                       |                   |                            |                    |                    |
| Mtn. Dell Dam                                     |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Rocky Basin-Settlement Can.                       | 5/2            | 71                  | 33.2                   | 27.8                   | 30.2              | 5/2                    | 4.80                  | --                | 41.62                      | --                 | --                 |
| Silver Lake (Brighton)                            | 4/29           | 62                  | 37.8                   | 31.4                   | 27.6              |                        |                       |                   |                            |                    |                    |
| Snowbird (Gad Valley)                             |                |                     |                        | 42.0                   | --                |                        |                       |                   |                            |                    |                    |
| Vernon Creek                                      | 4/30           | 13                  | 6.5                    | 13.0                   | 4.0 <sup>b</sup>  | 4/30                   | 1.70                  | 2.58 <sup>b</sup> | 25.40                      | 17.85              | 142                |
| UPPER SEVIER RIVER<br>(South of Richfield, Utah)  |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Box Creek   | 5/4            | 40                  | 16.1                   | 17.6                   | 12.1              | 5/4                    | 3.45                  | 2.99              | 23.49                      | 16.88              | 139                |
| Bryce Canyon                                      | 5/5            | 0                   | 0.0                    | 2.9                    | --                |                        |                       |                   |                            |                    |                    |
| Castle Valley                                     | 4/30           | 34                  | 13.4                   | 22.2                   | 7.2               | 4/30                   | 2.82                  | 3.24              | 23.59                      | 17.13              | 138                |
| Duck Creek R.S.                                   | 5/4            | 39                  | 18.1                   | 25.4                   | 7.8               | 5/4                    | 1.74                  | --                | 33.37                      | --                 | --                 |
| Farview   | 5/6            | 15                  | 6.3                    | 10.7                   | --                |                        |                       |                   |                            |                    |                    |
| Harris Flat                                       | 5/4            | 12                  | 4.4                    | 20.2                   | 2.1               | 5/4                    | 0.80 <sup>e</sup>     | --                | 22.30 <sup>e</sup>         | --                 | --                 |
| Kimberly Mine                                     | 4/30           | 50                  | 21.2                   | 22.4                   | 15.8              | 4/30                   | 3.58                  | 4.44 <sup>b</sup> | 28.19                      | 22.61              | 125                |
| Midway Valley                                     | 5/4            | 77                  | 36.6                   | 42.2                   | 21.5              | 5/4                    | 1.91                  | --                | 31.71                      | --                 | --                 |
| Panguitch Lake                                    | 4/30           | 0                   | 0.0                    | 6.5                    | 0.8               | 4/30                   | 1.43                  | 1.50              | 12.99                      | 9.39               | 138                |
| Rainbow Point                                     | 5/6            | 23                  | 10.6                   | 17.0                   | --                |                        |                       |                   |                            |                    |                    |
| Squaw Springs                                     | 5/4            | 19                  | 6.7                    | 6.2                    | 4.6               |                        |                       |                   |                            |                    |                    |
| LOWER SEVIER RIVER<br>(Including San Pitch River) |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Beaver Dams                                       | 5/2            | 13                  | 4.8                    | 11.5                   | 7.4               | 5/2                    | 3.24                  | 3.27              | 22.64                      | 16.34              | 139                |
| Farnsworth Lake                                   | 4/30           | 61                  | 24.1                   | 22.4                   | 22.2              | 4/30                   | 2.94                  | 4.69              | 28.79                      | 24.25              | 119                |
| G.B.R.C. Headquarters                             | 5/2            | 47                  | 20.0                   | 20.4                   | 16.1              | 5/2                    | 3.45                  | 4.26              | 30.44                      | 22.55              | 135                |
| G.B.R.C. Majors                                   |                |                     |                        |                        |                   | 5/6                    | 1.25                  | 2.15 <sup>b</sup> | 18.20                      | 10.66              | 171                |
| G.B.R.C. Meadows                                  | 5/2            | 72                  | 30.7                   | 28.8                   | 25.1              | 5/2                    | 4.22                  | 5.17              | 35.20                      | 26.84              | 131                |
| G.B.R.C. Oaks                                     |                |                     |                        |                        |                   | 5/6                    | 1.50                  | 3.01              | 21.03                      | 14.88              | 141                |
| Gooseberry R.S.                                   | 5/4            | 16                  | 5.1                    | 6.2                    | 10.2              | 5/4                    | 2.66                  | 3.61              | 20.30                      | 16.52 <sup>b</sup> | 123                |
| Mammoth-Cottonwood Creek                          | 5/3            | 51                  | 22.2                   | 25.0                   | 19.1              |                        |                       |                   |                            |                    |                    |
| Middle Fork                                       |                |                     |                        | --                     | 12.8 <sup>b</sup> |                        |                       |                   |                            |                    |                    |
| Mt. Baldy R.S.                                    | 5/2            | 75                  | 33.0                   | 33.8                   | 24.2              | 5/2                    | 3.52                  | 3.93              | 29.49                      | 20.83              | 142                |
| Oak Creek   | 5/1            | 37                  | 14.8                   | --                     | 9.6 <sup>b</sup>  | 5/1                    | 3.52                  | --                | 28.99                      | --                 | --                 |
| Pickle Keg Springs                                | 5/4            | 40                  | 17.8                   | 16.7                   | 15.1 <sup>b</sup> | 5/4                    | 4.70 <sup>e</sup>     | --                | 29.60 <sup>e</sup>         | --                 | --                 |
| Pine Creek  | 5/4            | 34                  | 13.6                   | 14.8                   | 13.6              | 5/4                    | 5.30                  | 5.88              | 28.55                      | 29.35              | 97                 |
| Ree's Flat  | 5/4            | 28                  | 9.9                    | 9.7                    | --                | 5/4                    | 2.88                  | --                | 25.43                      | --                 | --                 |
| Shingle Mill                                      | 5/1            | 3                   | 1.1                    | 0.0                    | 3.2 <sup>b</sup>  | 5/1                    | 3.30                  | 3.87 <sup>b</sup> | 31.60                      | 19.55              | 152                |
| Thistle Flat                                      |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| BEAVER RIVER                                      |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Beaver Canyon Power House                         |                |                     |                        | 0.0                    | --                |                        |                       |                   |                            |                    |                    |
| Beaver Race Track                                 |                |                     |                        |                        |                   |                        |                       | 2.30              |                            | 10.83              |                    |
| Big Flat  | 4/30           | 79                  | 29.1                   | 30.2                   | 18.6              | 4/30                   | 2.64                  | 3.47              | 28.29                      | 19.00              | 149                |
| Merchant's Valley (upper)                         | 4/30           | 35                  | 14.1                   | 15.8                   | 5.9 <sup>b</sup>  | 4/30                   | 1.99                  | 2.96 <sup>b</sup> | 23.99                      | 17.21              | 139                |
| Otter Lake  | 4/30           | 51                  | 19.9                   | 24.4                   | 12.1              |                        |                       |                   |                            |                    |                    |
| PAROWAN   |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Birch Crossing                                    | 4/30           | 0                   | 0.0                    | 0.0                    | 2.5 <sup>b</sup>  |                        |                       |                   |                            |                    |                    |
| Brian Head  | 4/28           | 63                  | 28.0                   | 32.6                   | 20.8 <sup>b</sup> |                        |                       |                   |                            |                    |                    |
| Tall Poles  | 4/30           | 42                  | 17.3                   | 18.8                   | 12.3 <sup>b</sup> | 4/30                   | 2.20                  | 3.48 <sup>b</sup> | 28.60                      | 18.37 <sup>b</sup> | 156                |
| Yankee Reservoir                                  | 4/30           | 25                  | 8.8                    | 10.4                   | 7.0               | 4/30                   | 2.42                  | 3.01              | 19.85                      | 15.14              | 131                |
| ENTERPRISE TO NEW HARMONY<br>DRAINAGES            |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Little Grassy Creek                               | 4/29           | 0                   | 0.0                    | 0.0                    | 0.2               | 4/29                   | 1.08                  | 1.80              | 25.14                      | 16.29              | 154                |
| Long Flat   | 4/29           | 5                   | 1.8                    | 0.0                    | 2.3               | 4/29                   | 1.20                  | 2.27              | 22.80                      | 13.90              | 164                |
| COAL CREEK  |                |                     |                        |                        |                   |                        |                       |                   |                            |                    |                    |
| Cedar City Golf Course                            |                |                     |                        | --                     | 0.0 <sup>b</sup>  |                        |                       |                   |                            |                    |                    |
| SUSC Ranch  | 4/30           | 8                   | 2.7                    | 11.5                   | 2.5 <sup>b</sup>  |                        |                       |                   |                            |                    |                    |

# SNOW

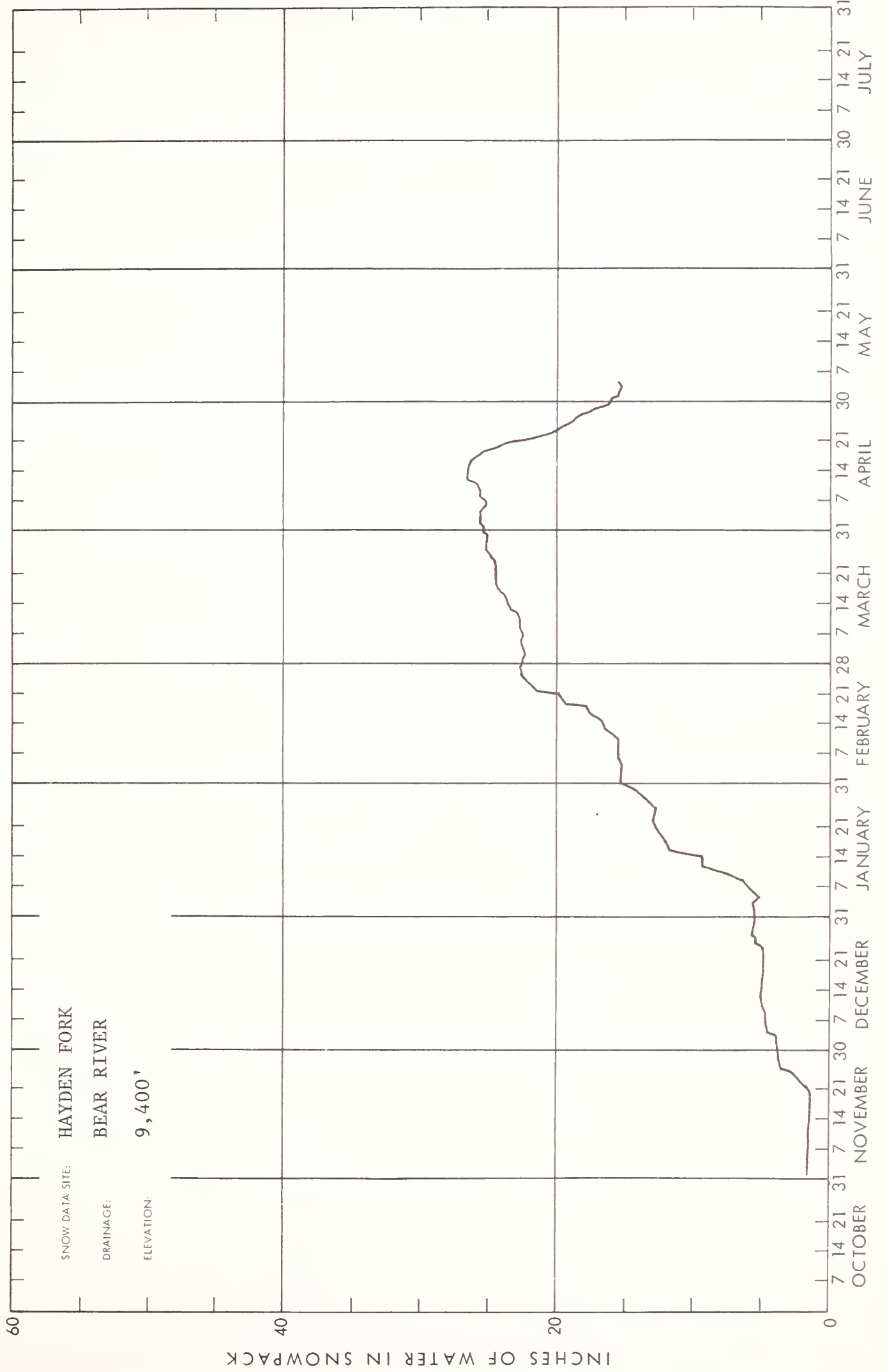
| SNOW                        | THIS YEAR                         |                |                     |                        |                        | PAST RECORD |                     | PRECIPITATION (Inches) |                       |                            |           |           |                    |
|-----------------------------|-----------------------------------|----------------|---------------------|------------------------|------------------------|-------------|---------------------|------------------------|-----------------------|----------------------------|-----------|-----------|--------------------|
|                             | DRAINAGE BASIN and/or SNOW COURSE | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |             | CURRENT INFORMATION |                        |                       | FROM APPROX. OCT 1 TO DATE |           |           |                    |
|                             |                                   |                |                     |                        | NAME                   | Last Year   | Average †           | Date of Reading        | Month's Precipitation | Average †                  | This Year | Average † | Percent of Average |
| COLORADO RIVER DRAINAGE     |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| UPPER GREEN RIVER - UTAH    |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Ashley-Twin Lakes (A)       | 5/5                               | 58             | 26.1                | 15.3                   | 16.4 <sup>b</sup>      |             |                     |                        |                       |                            |           |           |                    |
| Black's Fork G.S.-East Fork | 4/25                              | 32             | 12.0                | 7.6                    | 9.9                    | 4/25        | 2.40                | 3.35                   | 17.71                 | 15.29                      | 116       |           |                    |
| Black's Fork Junction       | Not Measured                      |                |                     | 5.3                    | 8.7                    |             |                     | 3.08                   |                       | 14.70                      |           |           |                    |
| Buck Pasture (A)            | 5/5                               | 36             | 15.1                | 15.3                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Burnt Creek                 | 4/28                              | 1              | 0.1                 | --                     | --                     | 4/28        | 2.35                | 3.06 <sup>b</sup>      | 14.75                 | 12.07 <sup>b</sup>         | 122       |           |                    |
| Dutch John Junction         | 4/28                              | 0              | 0.0                 | --                     | --                     | 4/25        | 2.50 <sup>e</sup>   | --                     | 20.10 <sup>e</sup>    | --                         | --        |           |                    |
| Grizzly Ridge               | 4/28                              | 33             | 13.3                | --                     | --                     | 4/28        | 2.00                | 3.25 <sup>b</sup>      | 21.55                 | 16.69 <sup>b</sup>         | 129       |           |                    |
| Hewinta G.S.                | 4/25                              | 31             | 11.9                | 9.0                    | 10.4                   | 4/25        | 2.08 <sup>a</sup>   | 3.59                   | 18.65 <sup>a</sup>    | 16.15                      | 115       |           |                    |
| Hickerson Park              | 4/25                              | 32             | 11.0                | 7.0                    | 5.9 <sup>b</sup>       | 4/25        | 2.55                | 3.56 <sup>b</sup>      | 14.40                 | 12.97                      | 111       |           |                    |
| King's Cabin (upper)        | 4/25                              | 42             | 16.6                | 9.8                    | 10.3                   | 4/25        | 1.65                | 2.95                   | 19.19                 | 19.21                      | 135       |           |                    |
| Reynold's Park (A)          | 5/5                               | 51             | 23.0                | 20.3                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Spirit Lake                 | 4/25                              | 50             | 20.7                | 15.3                   | 15.5                   | 4/25        | 3.45                | 4.94 <sup>b</sup>      | 21.85                 | 18.55                      | 118       |           |                    |
| Steel Creek Park            | 4/25                              | 59             | 22.3                | 14.2                   | 18.7                   |             |                     |                        |                       |                            |           |           |                    |
| Trout Creek                 | 4/25                              | 38             | 13.7                | 9.9                    | --                     | 4/25        | 2.25                | --                     | 20.10                 | --                         | --        |           |                    |
| Henry's Fork (A)            | 5/5                               | 40             | 16.8                | 10.8                   | 11.0 <sup>b</sup>      |             |                     |                        |                       |                            |           |           |                    |
| DUCHESNE RIVER              |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Atwood Lake (A)             | 5/5                               | 27             | 12.2                | 13.9                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Brown Duck Ridge            | 4/25                              | 70             | 27.7                | 21.5                   | 20.2 <sup>a</sup>      | 4/25        | 1.95                | --                     | 28.75                 | --                         | --        |           |                    |
| Chepeta-Whiterocks          | 4/26                              | 48             | 17.6                | 18.6                   | 14.9 <sup>b</sup>      |             |                     |                        |                       |                            |           |           |                    |
| Currant Creek               | 5/3                               | 13             | 5.1                 | 5.9                    | 2.3 <sup>b</sup>       | 5/3         | 1.53                | 2.41 <sup>b</sup>      | 23.84                 | 16.20                      | 147       |           |                    |
| Daniels-Strawberry Summit   | 5/3                               | 30             | 12.6                | 12.7                   | 9.5                    | 5/3         | 2.05                | 3.28                   | 31.57                 | 21.09                      | 150       |           |                    |
| East Portal                 | 5/1                               | 21             | 8.0                 | 6.8                    | 4.4 <sup>b</sup>       | 5/1         | 1.08                | 2.99 <sup>b</sup>      | --                    | 19.72                      | --        |           |                    |
| Five Points Lake (A)        | 5/5                               | 45             | 20.2                | 14.4                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Indian Canyon               | 5/3                               | 31             | 12.8                | 16.9                   | 10.9                   | 5/3         | 1.81                | 2.68                   | 22.21                 | 15.46                      | 144       |           |                    |
| Jackson Park                | 4/26                              | 51             | 21.0                | 16.0                   | --                     | 4/26        | 2.15                | --                     | 22.75                 | --                         | --        |           |                    |
| Lakefork Basin (A)          | 5/5                               | 59             | 26.6                | 21.0                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Lakefork Mountain           | 4/26                              | 42             | 17.9                | 10.7                   | 11.9                   | 4/26        | 1.85                | 3.08                   | 20.37                 | 15.70                      | 130       |           |                    |
| Lakefork Mountain #3        | 4/26                              | 18             | 7.6                 | 2.4                    | 2.1                    |             |                     |                        |                       |                            |           |           |                    |
| Lightning Lake (A)          | 5/5                               | 72             | 32.4                | 23.1                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Mosby Mountain              | 4/26                              | 47             | 18.7                | 11.9                   | 9.9                    | 4/26        | 2.15                | 3.18 <sup>b</sup>      | 21.65                 | 15.18                      | 142       |           |                    |
| Paradise Park               | 4/26                              | 49             | 20.9                | 18.8                   | 14.3                   | 4/26        | 2.40                | 3.91                   | 20.30                 | 16.96                      | 120       |           |                    |
| Rock Creek Ranch            | 4/25                              | 16             | 6.9                 | 0.0                    | 1.3 <sup>b</sup>       | 4/26        | 1.85                | 2.27                   | 18.97                 | 13.20                      | 144       |           |                    |
| Strawberry Divide           | 5/1                               | 96             | 19.8                | 20.1                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| PRICE RIVER                 |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Dry Valley Divide Alternate | 5/3                               | 10             | 3.6                 | 5.6                    | --                     |             |                     |                        |                       |                            |           |           |                    |
| Gooseberry Reservoir        |                                   |                |                     |                        |                        | 5/3         | 2.03                | 3.60                   | 31.80                 | 21.71                      | 146       |           |                    |
| Mud Creek                   | 5/2                               | 34             | 13.1                | 9.6                    | 7.9                    | 5/2         | 2.52                | 2.96                   | 25.17                 | 17.21                      | 146       |           |                    |
| White River #1              | 5/3                               | 27             | 10.8                | 15.4                   | 10.5                   | 5/3         | 2.12                | 2.84                   | 21.07                 | 16.06                      | 131       |           |                    |
| White River #3              | 5/3                               | 0              | 0.0                 | 0.0                    | 1.0 <sup>b</sup>       |             |                     |                        |                       |                            |           |           |                    |
| SAN RAFAEL RIVER            |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Buck Flat                   | 5/2                               | 54             | 23.9                | 19.9                   | 15.4                   | 5/2         | 3.02                | 3.24                   | 28.68                 | 20.45                      | 140       |           |                    |
| Huntington-Horseshoe        | 5/2                               | 70             | 31.9                | 30.0                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Orange Olsen                | 5/2                               | 0              | 0.0                 | 0.0                    | --                     | 5/2         | 1.78                | 1.13 <sup>b</sup>      | 15.72                 | 8.53                       | 184       |           |                    |
| Red Pine Ridge              | 5/2                               | 45             | 19.5                | 15.9                   | 14.8                   | 5/2         | 3.26                | 3.60                   | 28.81                 | 23.39                      | 123       |           |                    |
| Seeley Creek R.S.           | 5/2                               | 53             | 23.7                | 20.5                   | 17.2                   |             |                     |                        |                       |                            |           |           |                    |
| Stuart R.S.                 | 5/2                               | 14             | 6.0                 | 0.8                    | 1.8                    | 5/2         | 3.15                | 2.15                   | 19.45                 | 13.77                      | 141       |           |                    |
| Upper Joe's Valley          | 5/2                               | 26             | 10.6                | 8.0                    | 5.7                    |             |                     |                        |                       |                            |           |           |                    |
| Wrigley Creek               | 5/2                               | 32             | 13.3                | 13.4                   | 8.1                    |             |                     |                        |                       |                            |           |           |                    |
| MUDDY RIVER                 |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Black's Fork                | 5/2                               | 36             | 15.1                | 14.4                   | --                     |             |                     |                        |                       |                            |           |           |                    |
| Dill's Camp                 | 5/2                               | 37             | 15.0                | 11.1                   | 9.9 <sup>a</sup>       | 5/2         | 2.89                | --                     | 23.23                 | --                         | --        |           |                    |
| FREMONT RIVER               |                                   |                |                     |                        |                        |             |                     |                        |                       |                            |           |           |                    |
| Black's Flat-U.M. Creek     | 5/4                               | 32             | 12.5                | 11.8                   | 8.8                    | 5/4         | 2.12                | 2.65                   | 20.24                 | 14.75                      | 137       |           |                    |
| Fish Lake                   | 5/4                               | 10             | 3.8                 | 11.3                   | 5.4                    | 5/4         | 2.72                | 2.16                   | 28.59                 | 11.34                      | 252       |           |                    |
| Johnson Valley              | 5/4                               | 16             | 5.1                 | 5.9                    | 4.4                    |             |                     |                        |                       |                            |           |           |                    |

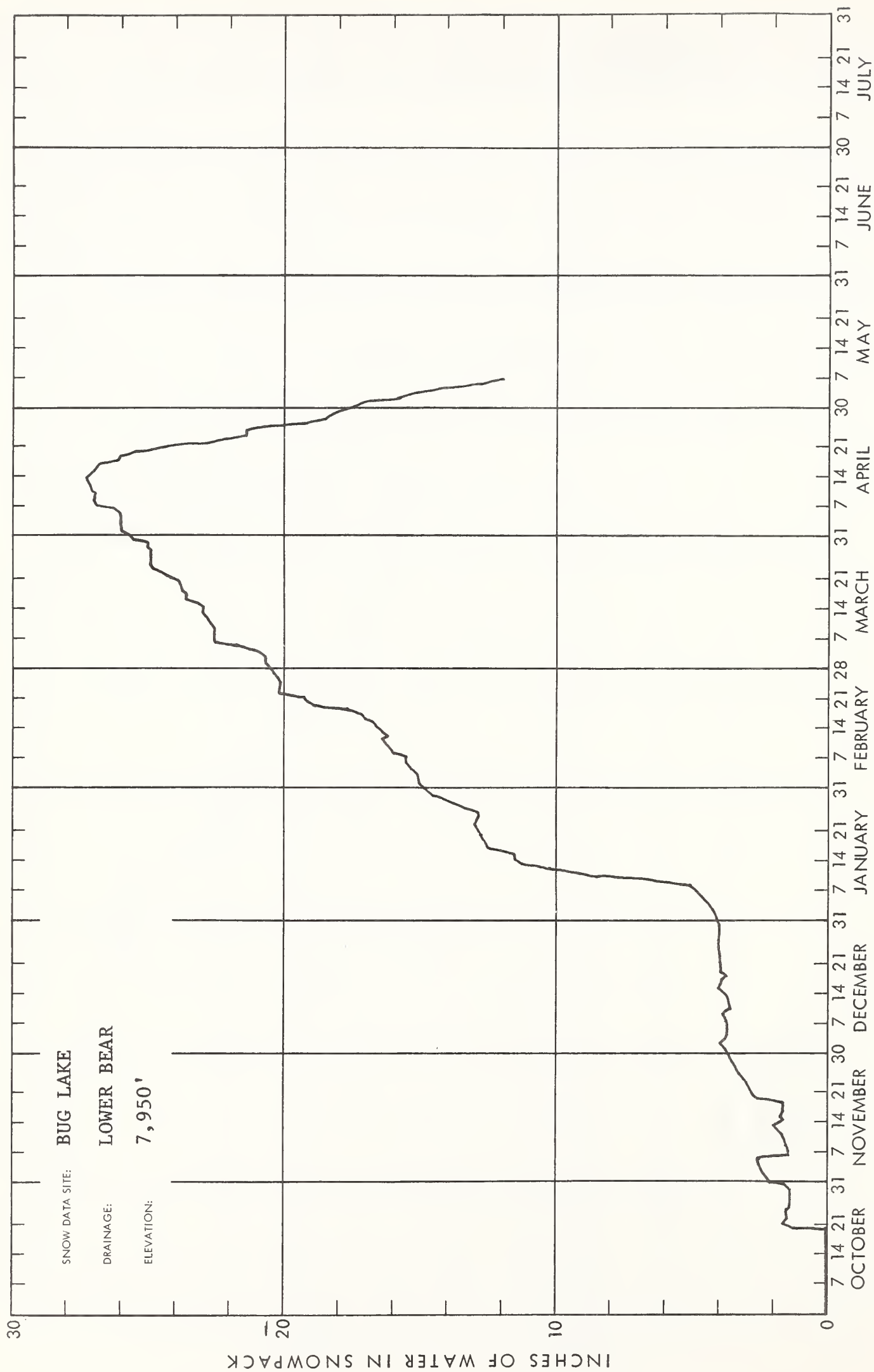
# SNOW

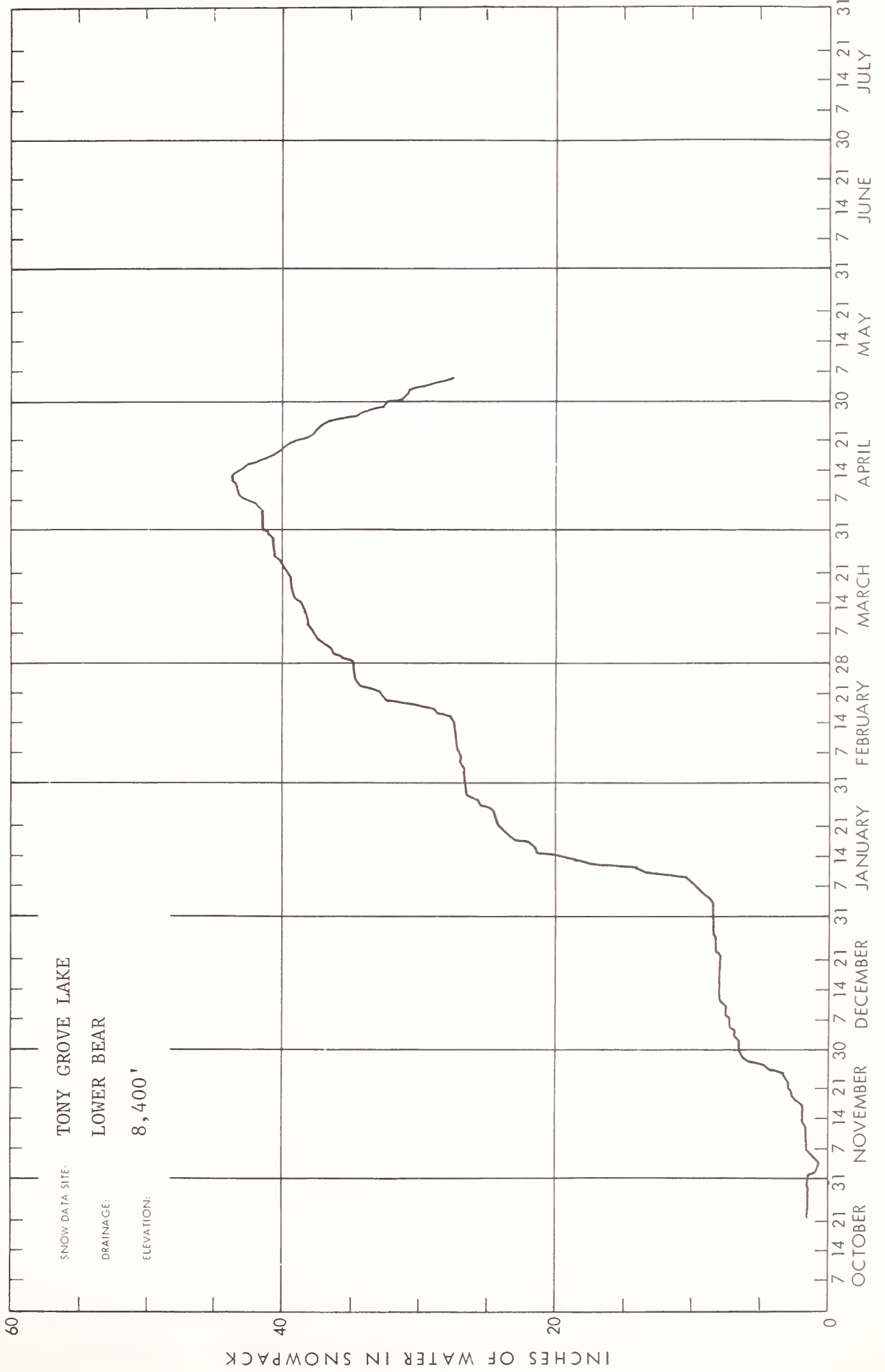
# PRECIPITATION (Inches)

| SNOW  | THIS YEAR      |                     |                        | PAST RECORD            |           | PRECIPITATION (Inches) |                       |           |                            |           |                    |
|---|----------------|---------------------|------------------------|------------------------|-----------|------------------------|-----------------------|-----------|----------------------------|-----------|--------------------|
| DRAINAGE BASIN and/or SNOW COURSE                                 | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (Inches) |           | CURRENT INFORMATION    |                       |           | FROM APPROX. OCT 1 TO DATE |           |                    |
| NAME  |                |                     |                        | Last Year              | Average † | Date of Reading        | Month's Precipitation | Average † | This Year                  | Average † | Percent of Average |
| SOUTHEASTERN UTAH DRAINAGES                                       |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| Buckboard Flat  | 4/24           | 51                  | 20.1                   | 22.0                   | 7.1       | 4/24                   | 2.92                  | 2.75      | 21.58                      | 20.89     | 103                |
| Camp Jackson  | 4/24           | 52                  | 21.7                   | 22.3                   | 5.8       | 4/24                   | 1.80                  | 2.42      | 20.99                      | 19.20     | 109                |
| LaSal Mountain (lower)  | 4/28           | 32                  | 12.2                   | 8.4                    | 4.3       |                        |                       |           |                            |           |                    |
| LaSal Mountain (upper)  | 4/28           | 58                  | 25.6                   | 22.2                   | 12.6      | 4/28                   | 2.92                  | 2.99      | 28.00                      | 17.17     | 163                |
| Monticello City Park  | 4/24           | 0                   | 0.0                    | 0.0                    | --        |                        |                       |           |                            |           |                    |
| ESCALANTE RIVER   |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| Widtsoe-Escalante #3  | 5/4            | 37                  | 16.3                   | 21.2                   | 9.0       | 5/4                    | 4.97                  | 3.14      | 24.83                      | 15.21     | 163                |
| VIRGIN RIVER  |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| Kolob-Crystal   | 4/29           | 81                  | 34.8                   | 38.9                   | 22.5a     |                        |                       |           |                            |           |                    |
| Long Valley Junction  | 5/3            | 0                   | 0.0                    | 0.0                    | 0.0b      |                        |                       |           |                            |           |                    |
| Webster Flat  | 4/29           | 62                  | 34.4                   | 32.7                   | 13.8      | 4/29                   | 1.58                  | 3.81      | 37.90                      | 23.08     | 164                |
| a - Partly estimated  |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| b - Average of past record in average period - less than 15 years |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| + - 1963-77 15 year average record period                         |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |
| (A) - Aerial marker reading                                       |                |                     |                        |                        |           |                        |                       |           |                            |           |                    |

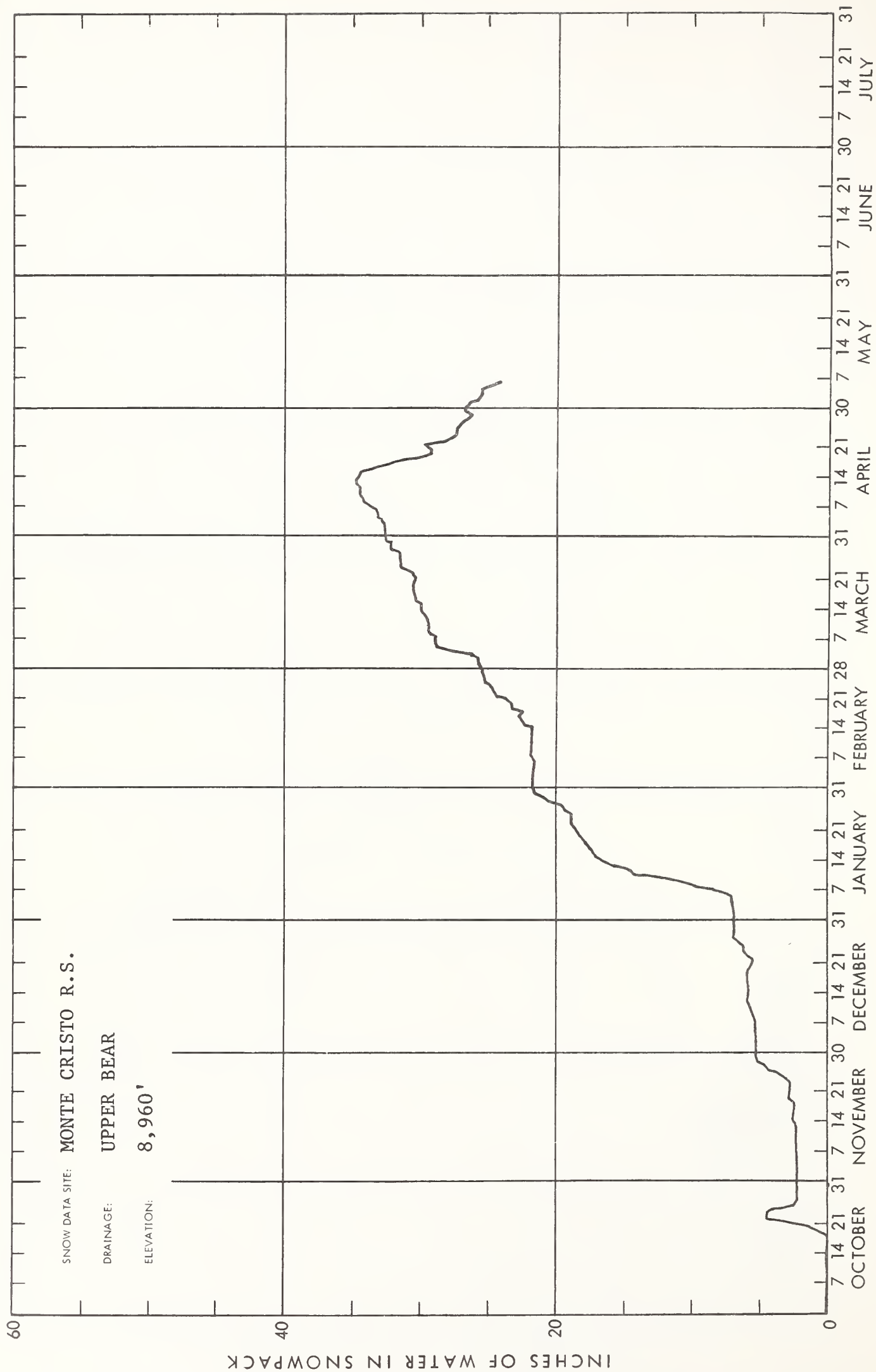


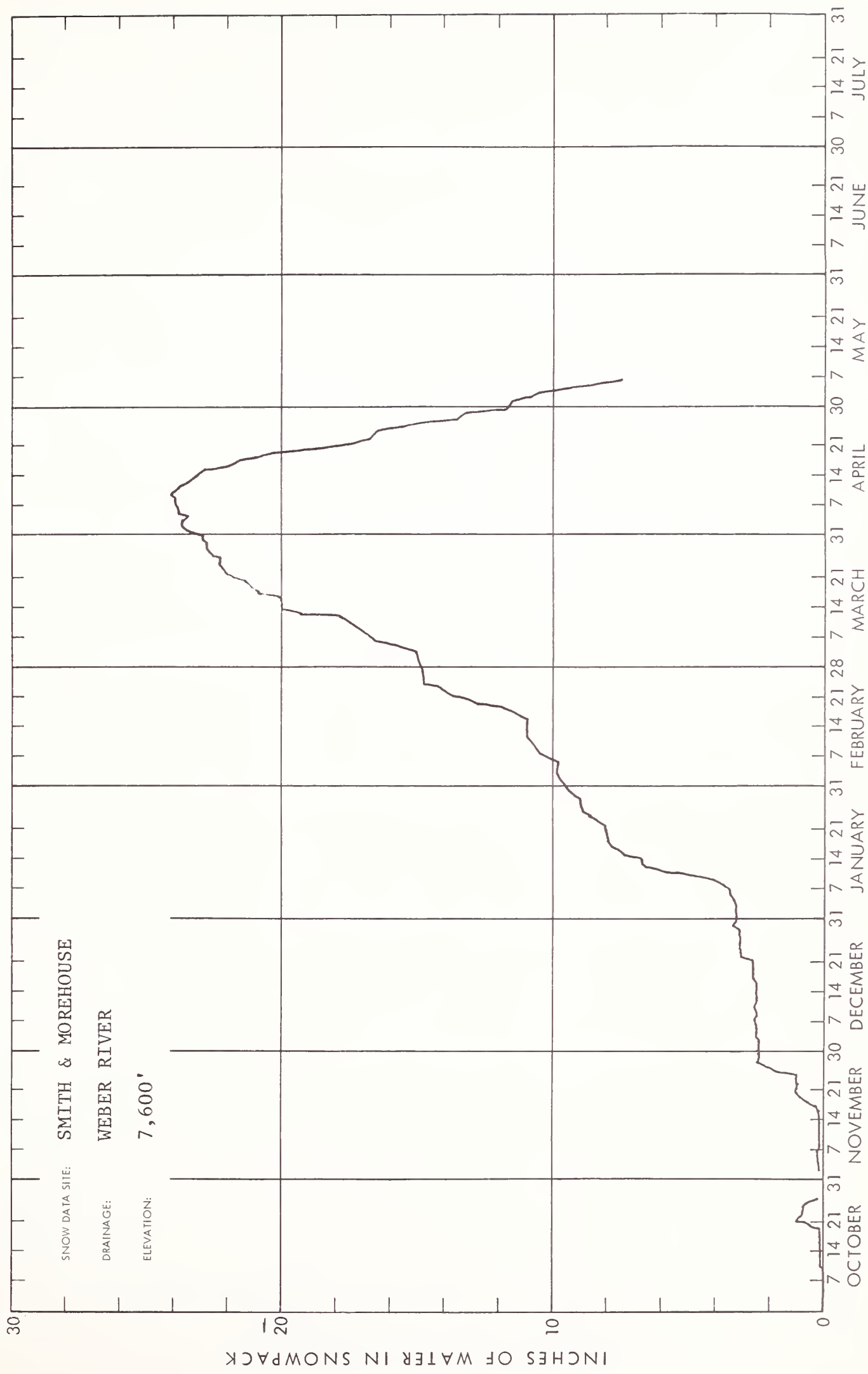


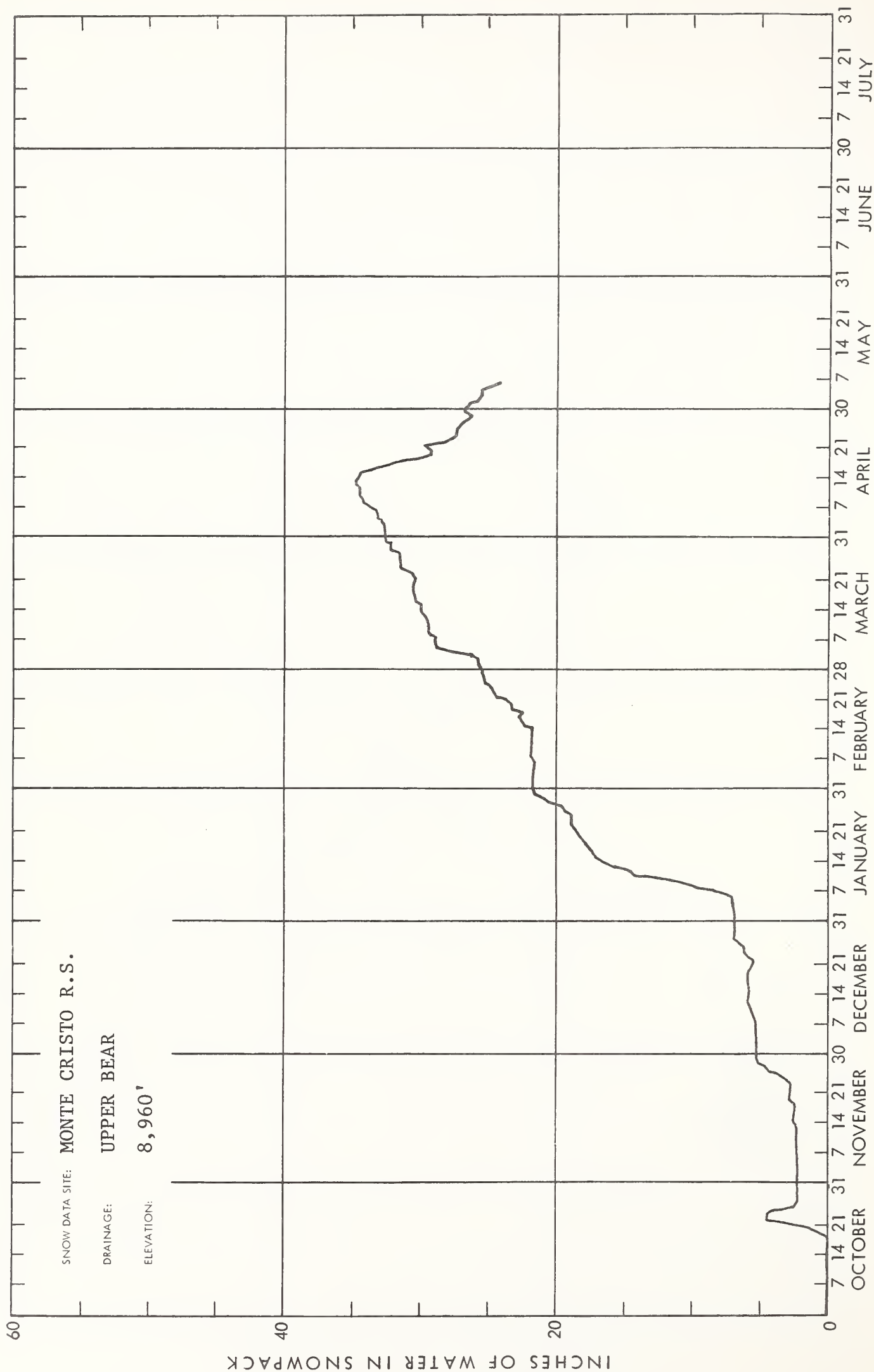




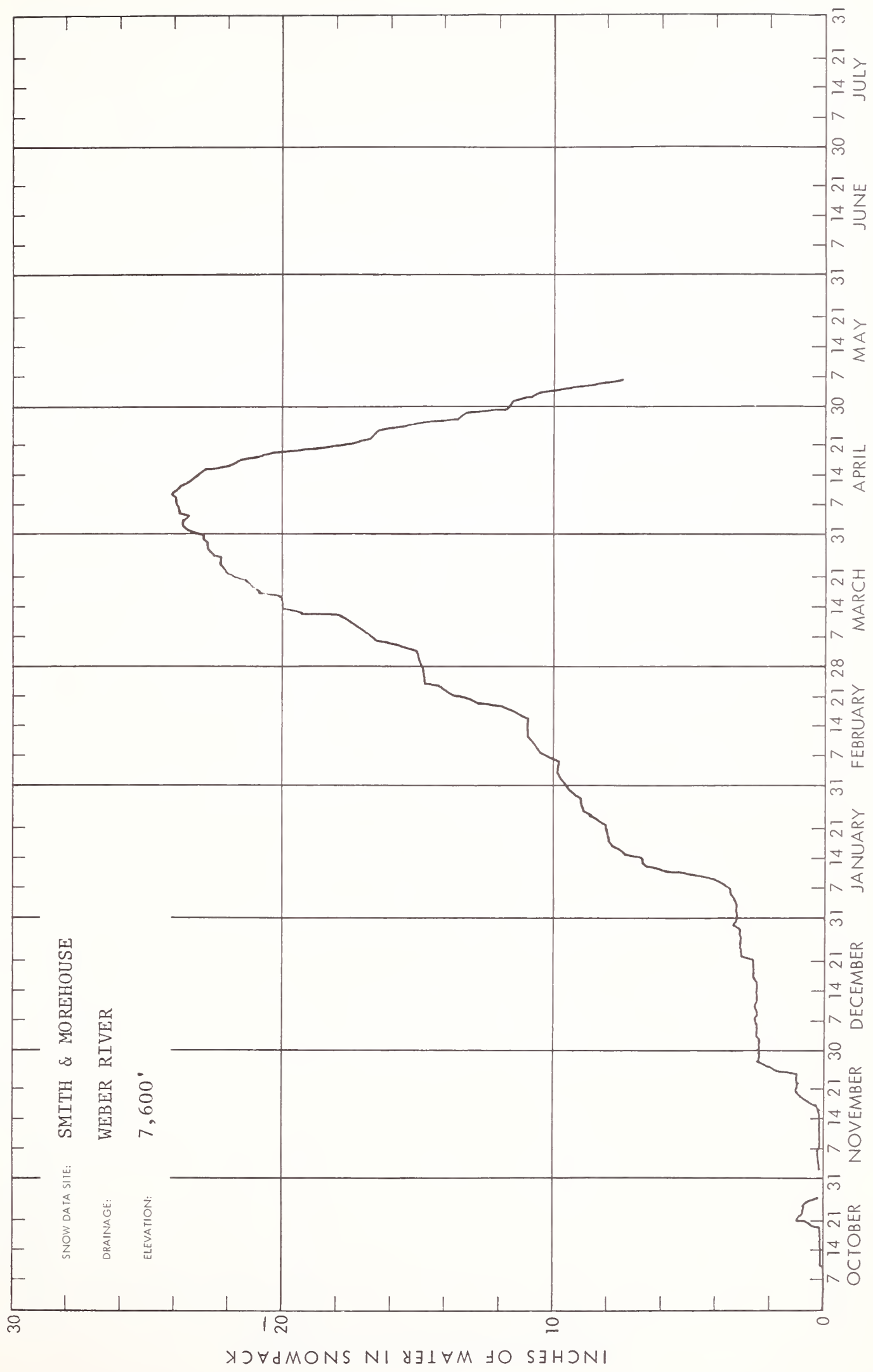


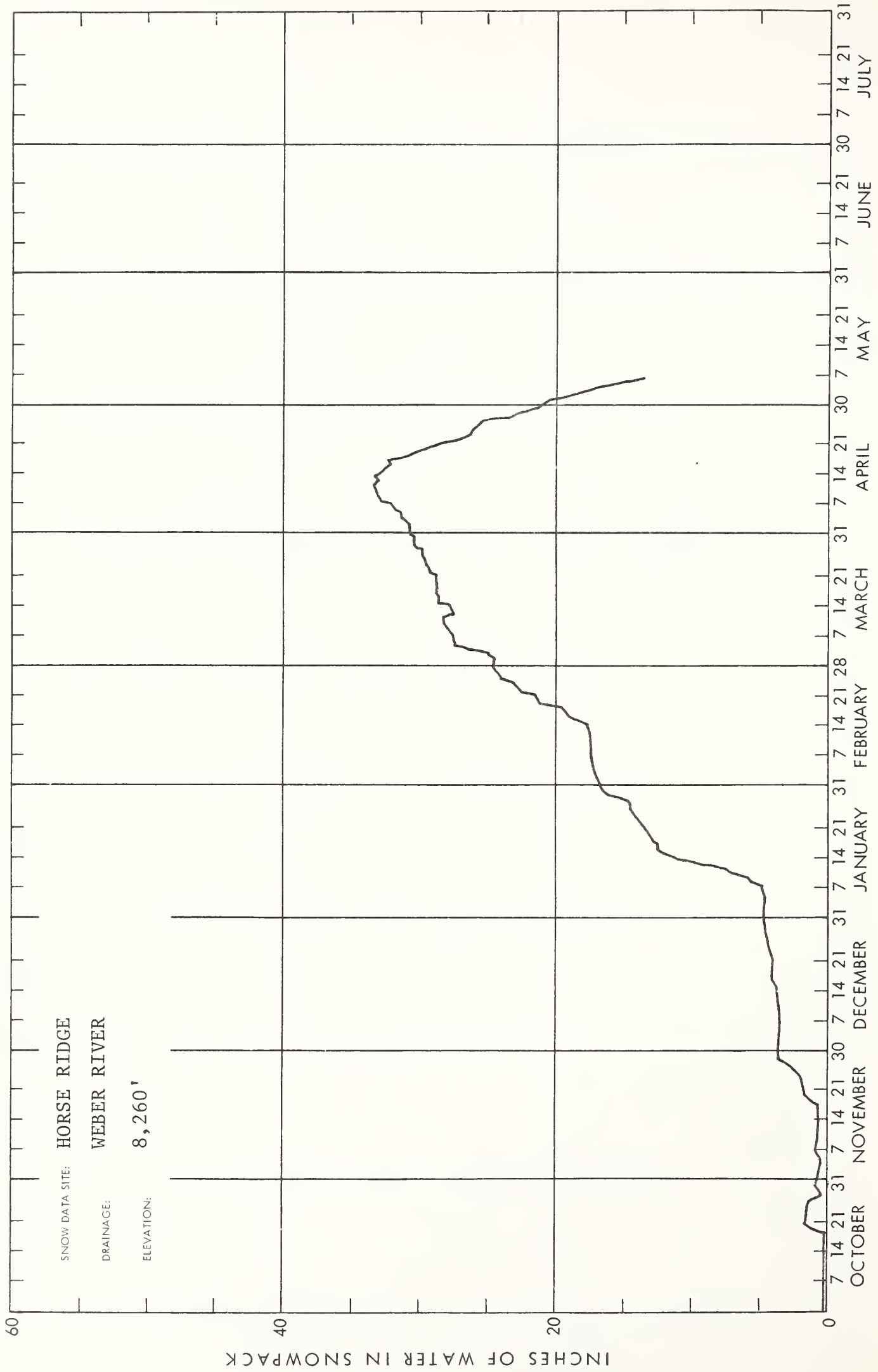


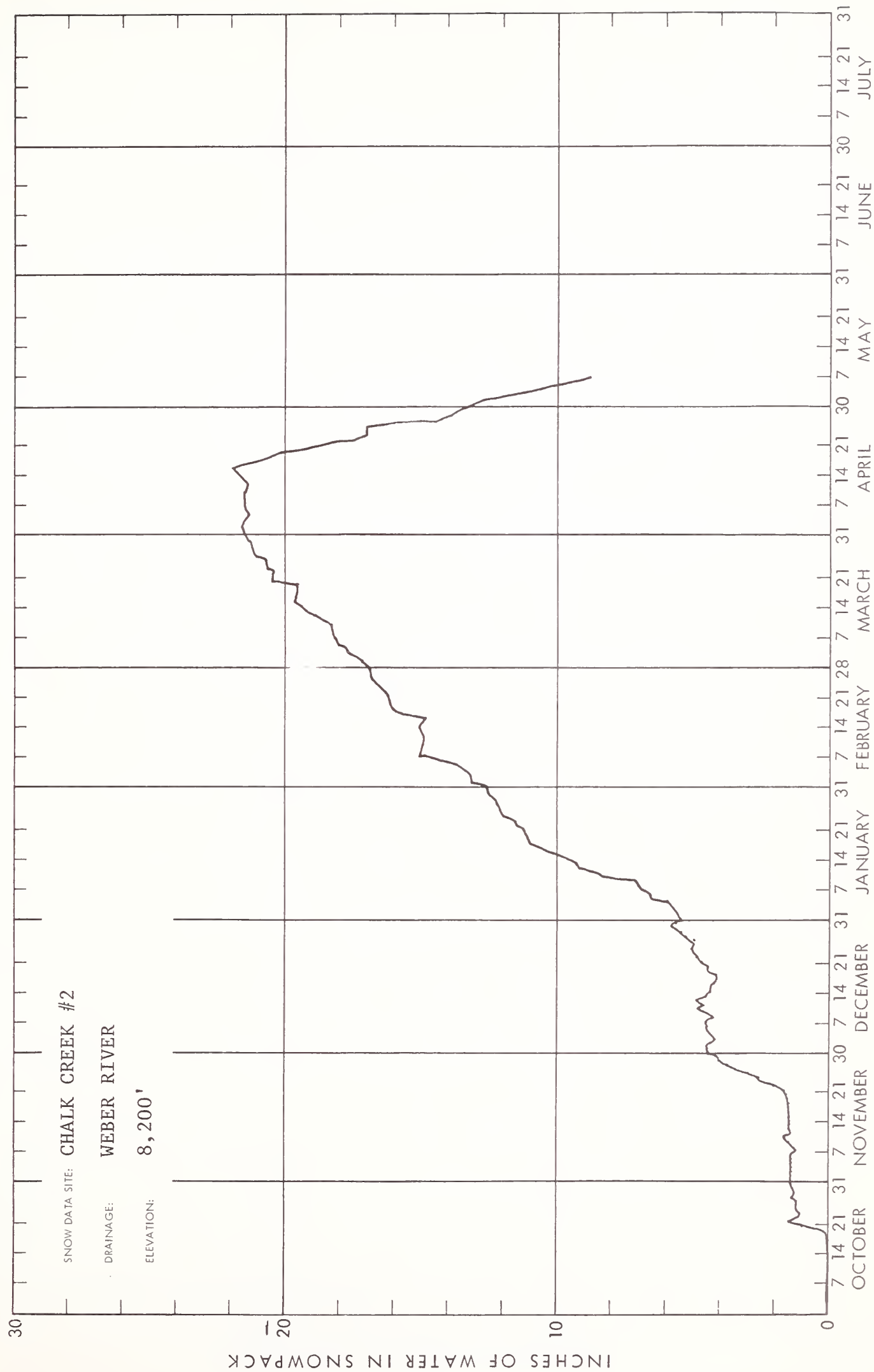


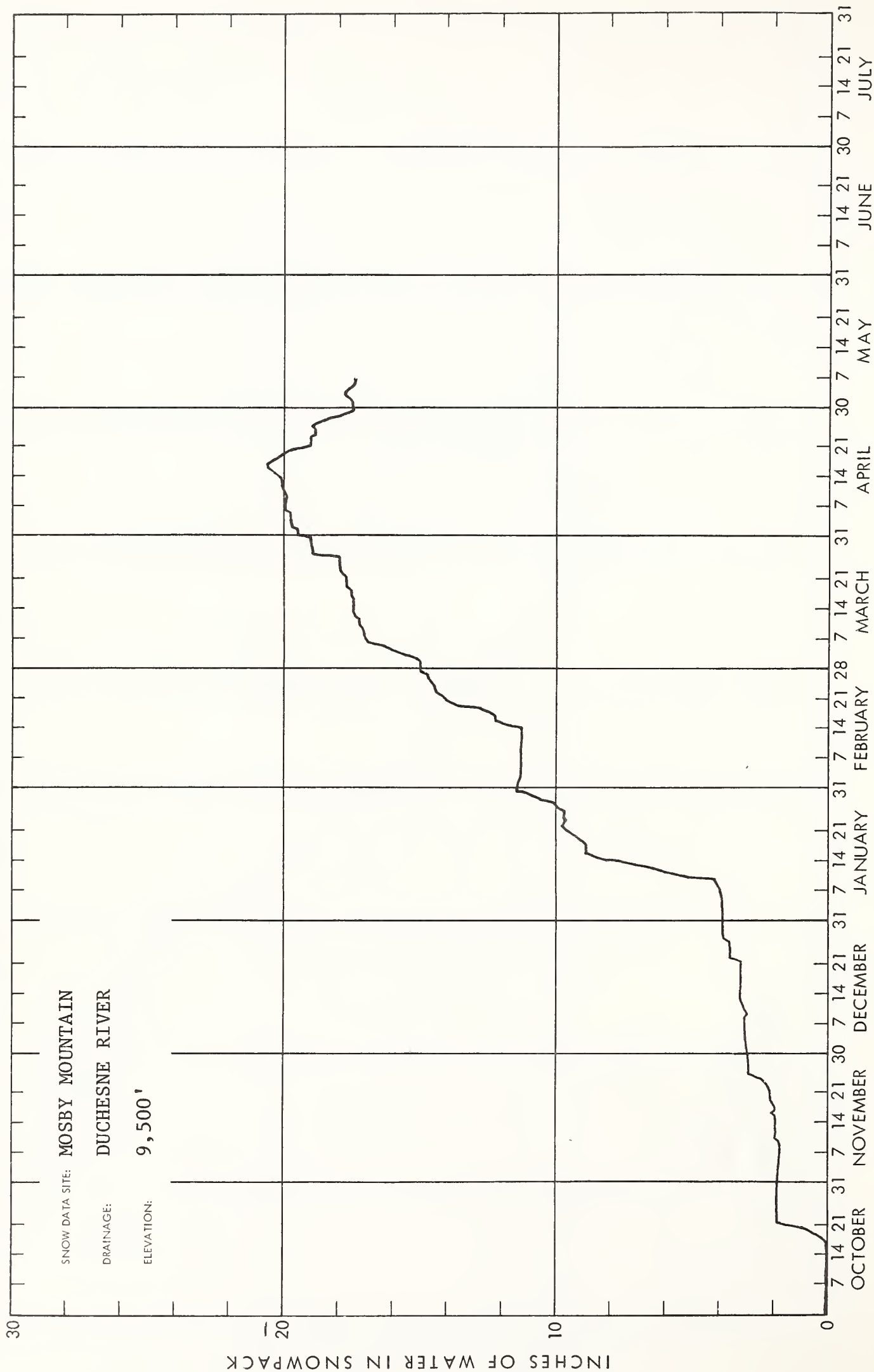




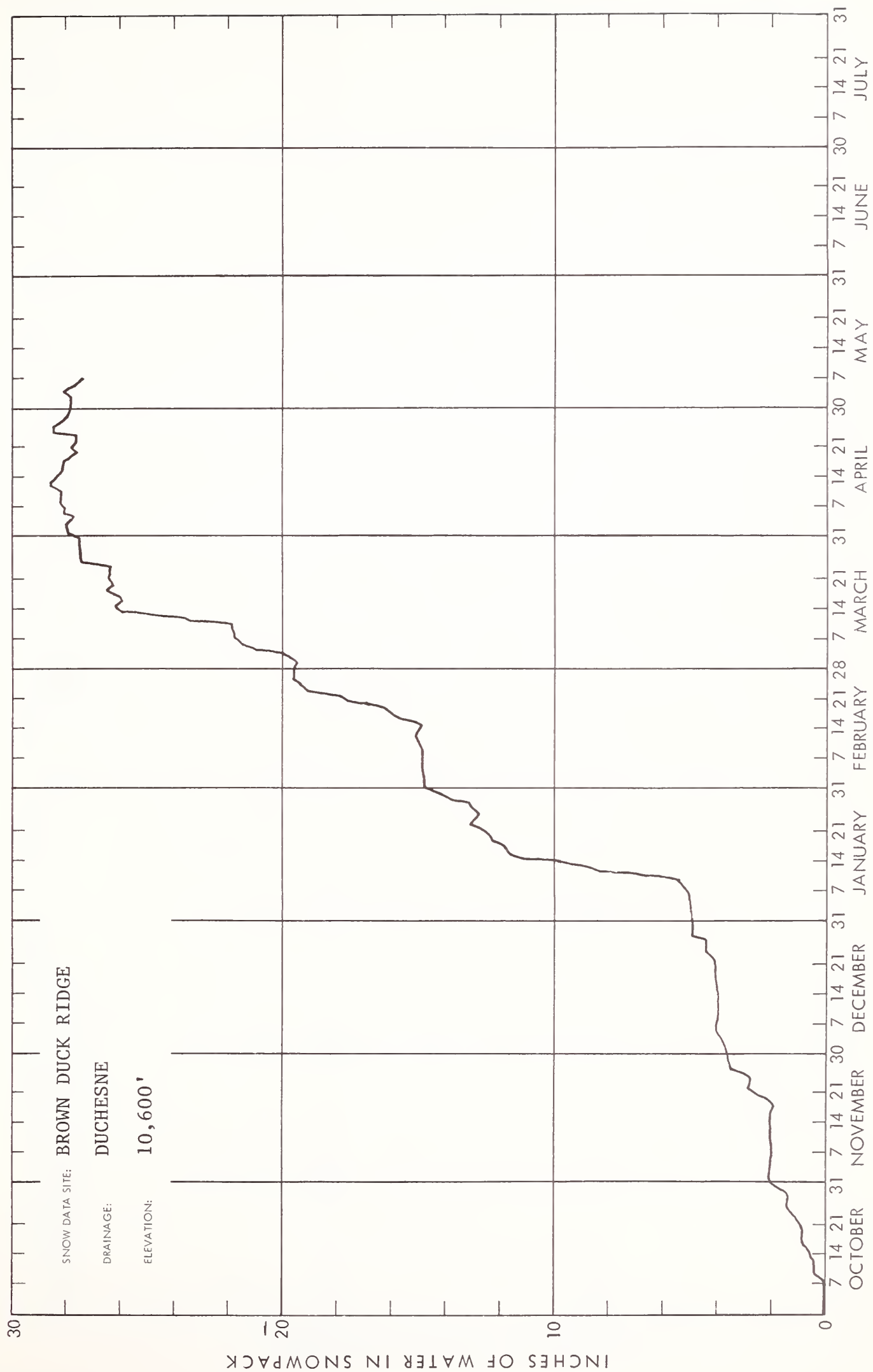


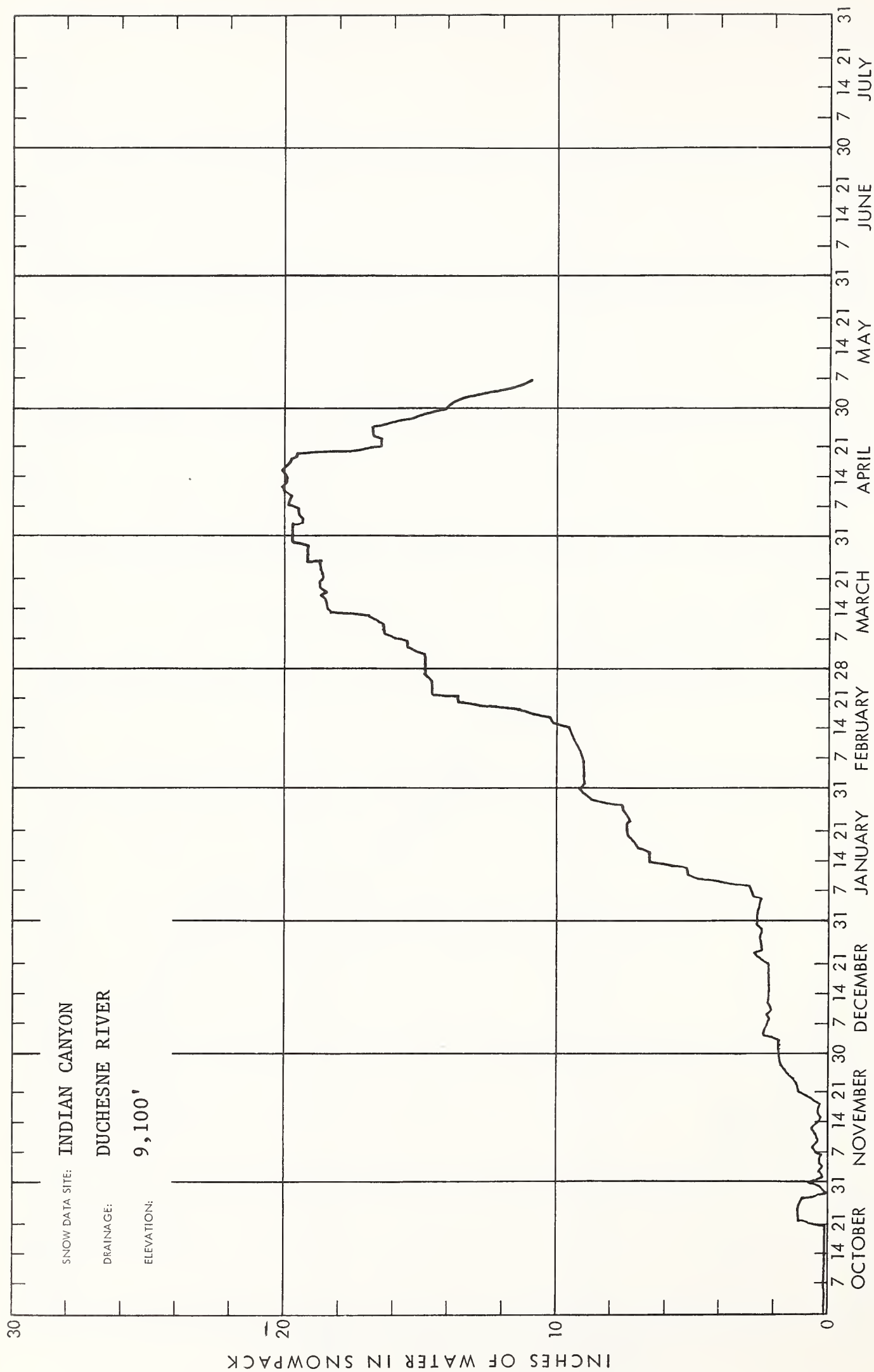


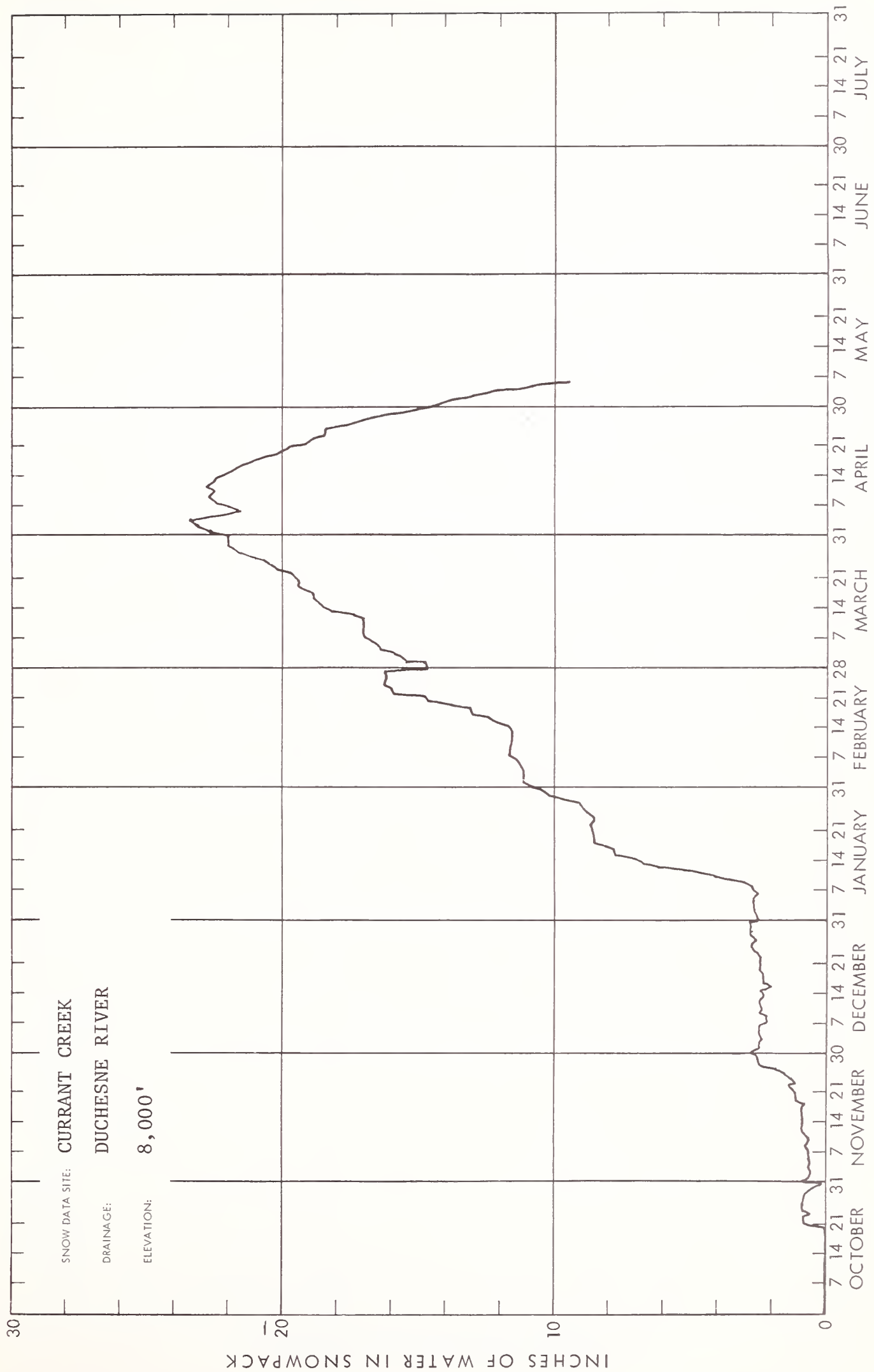


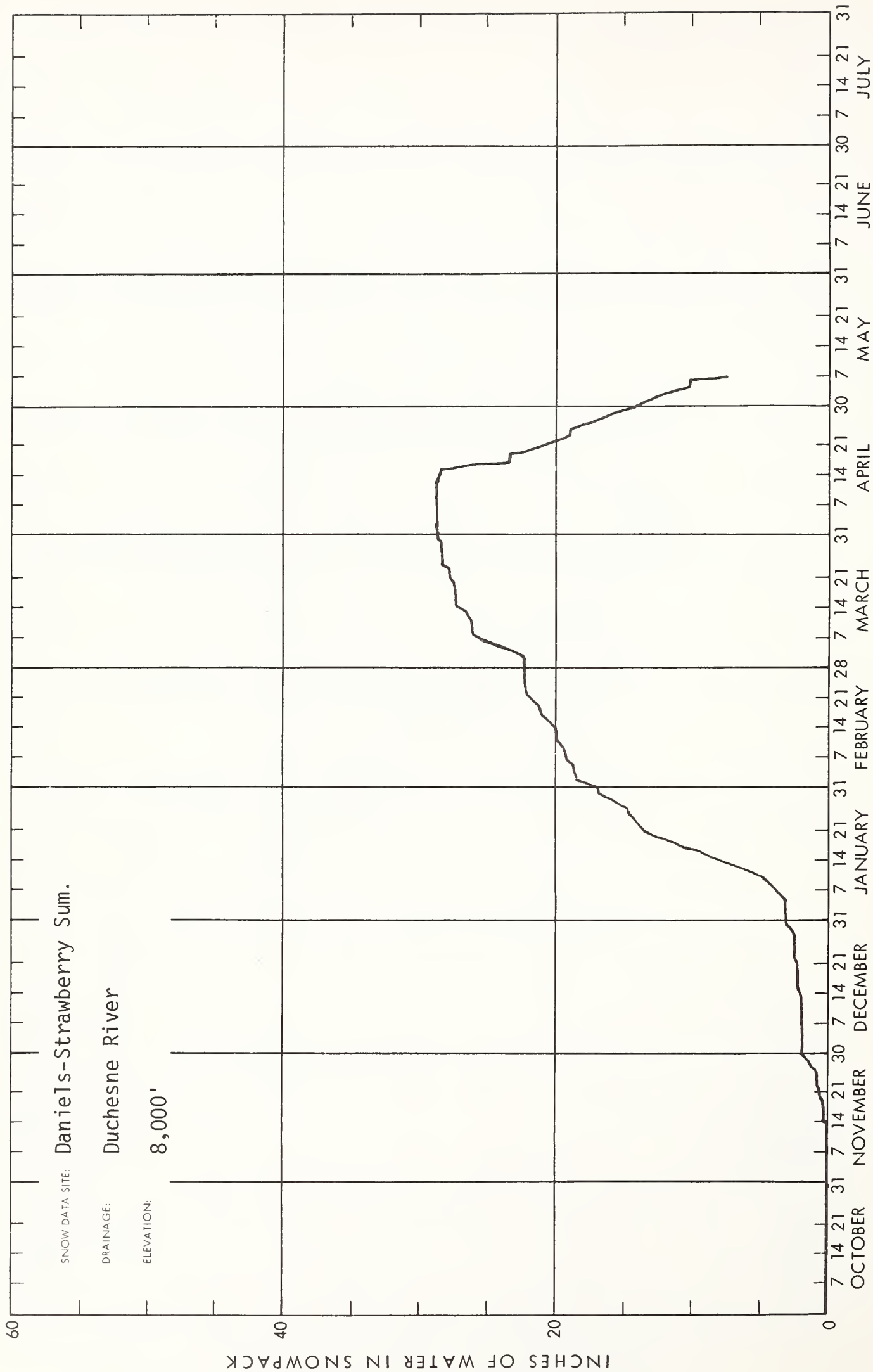




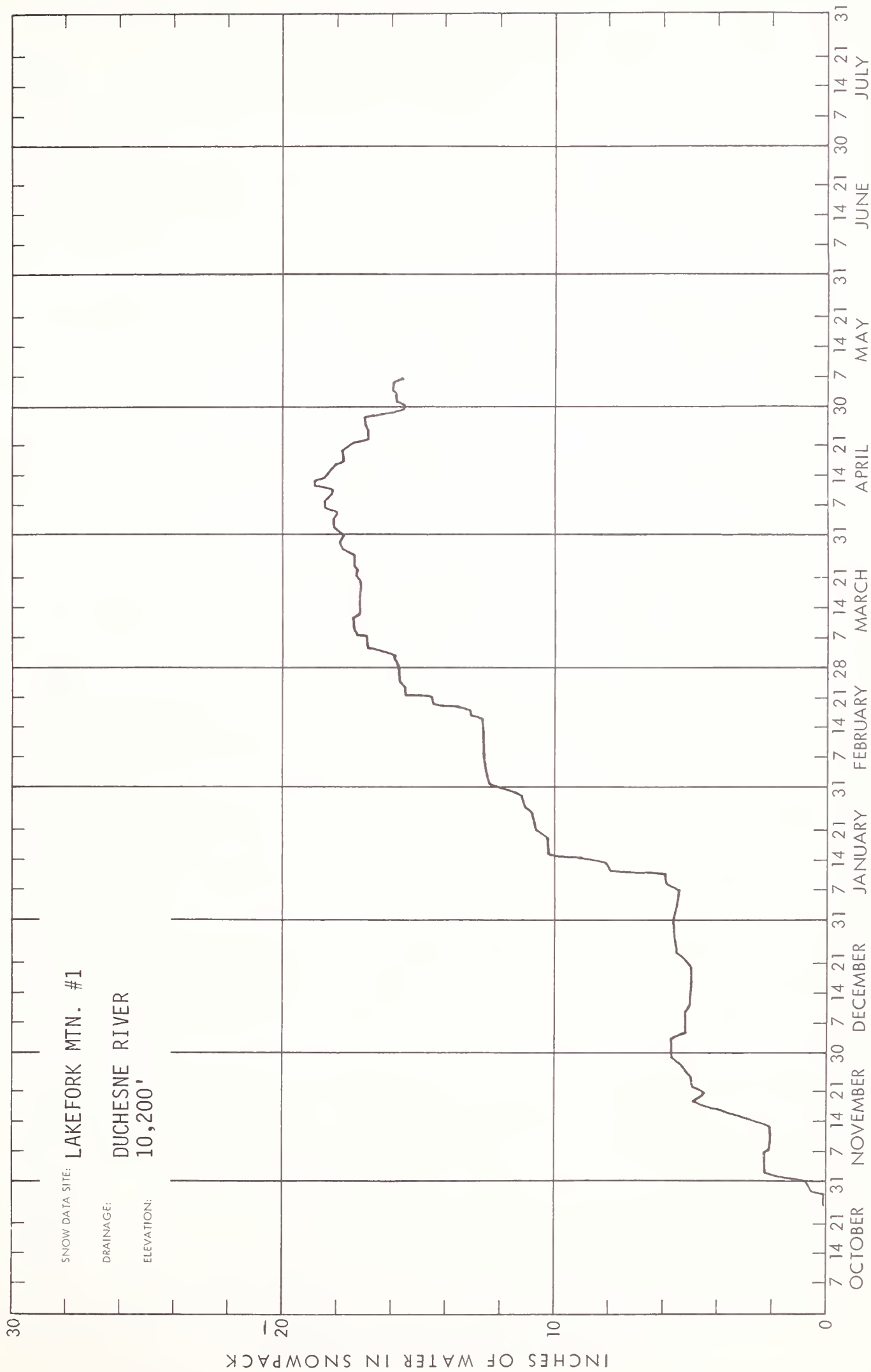


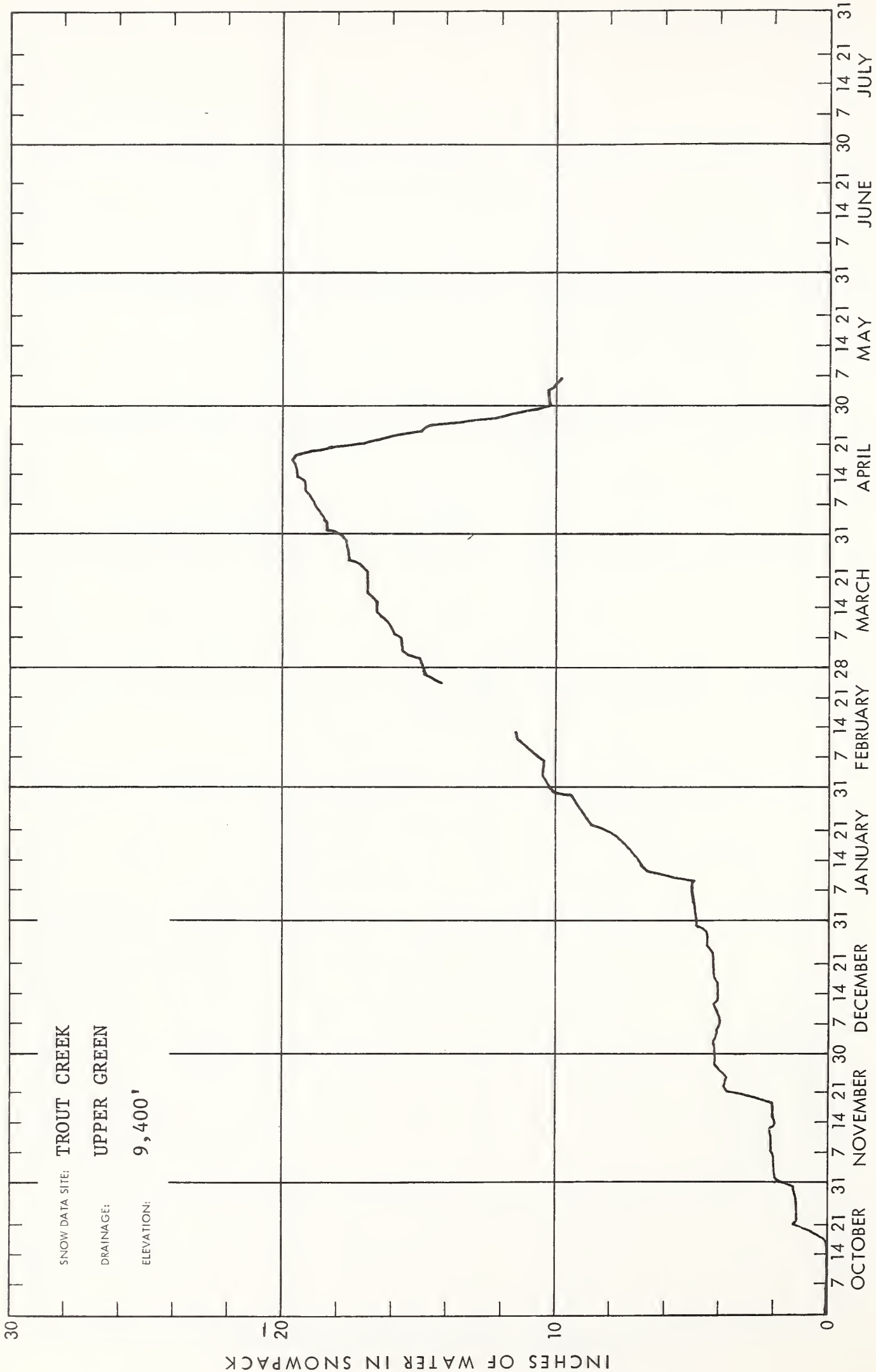


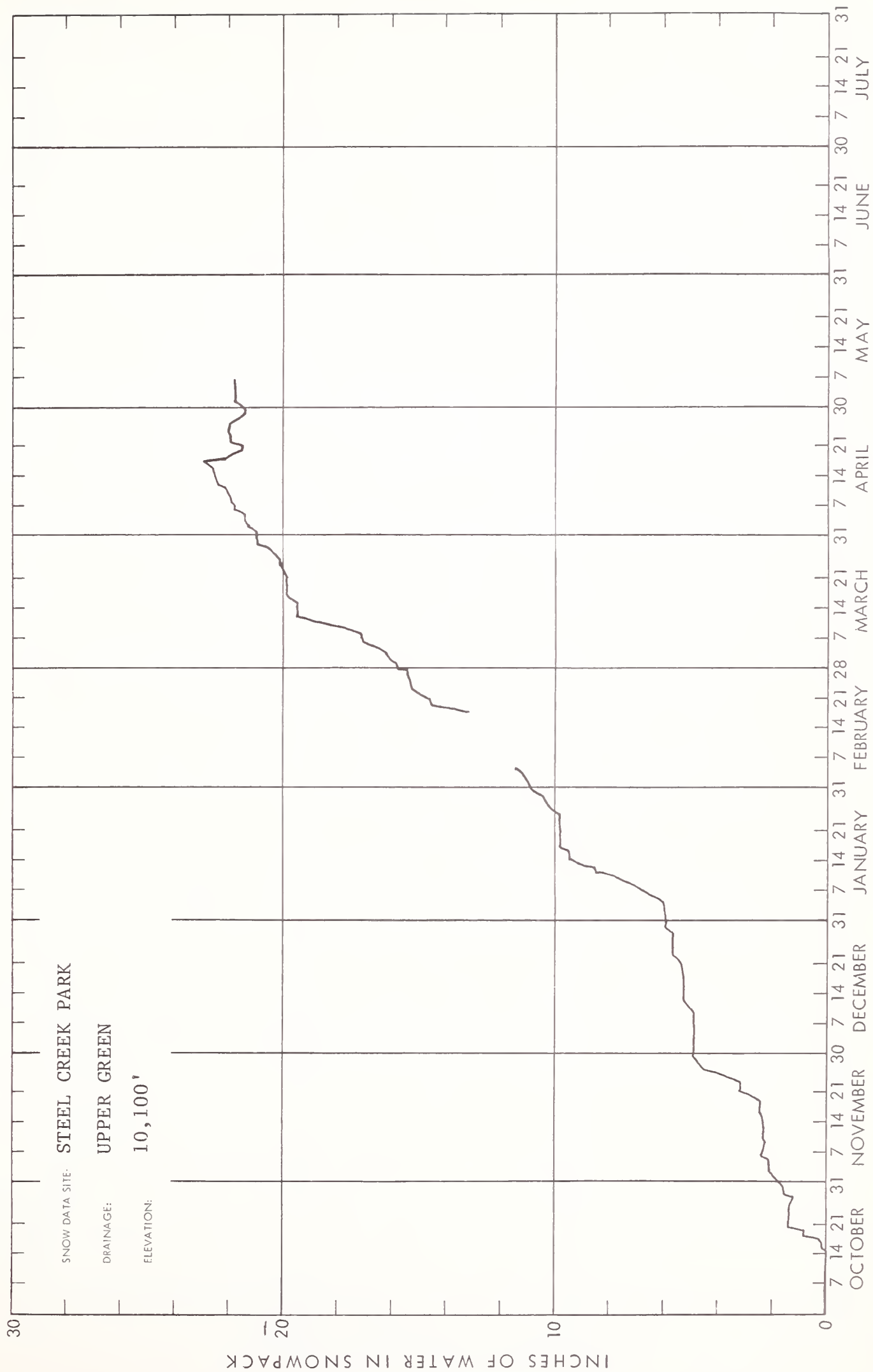


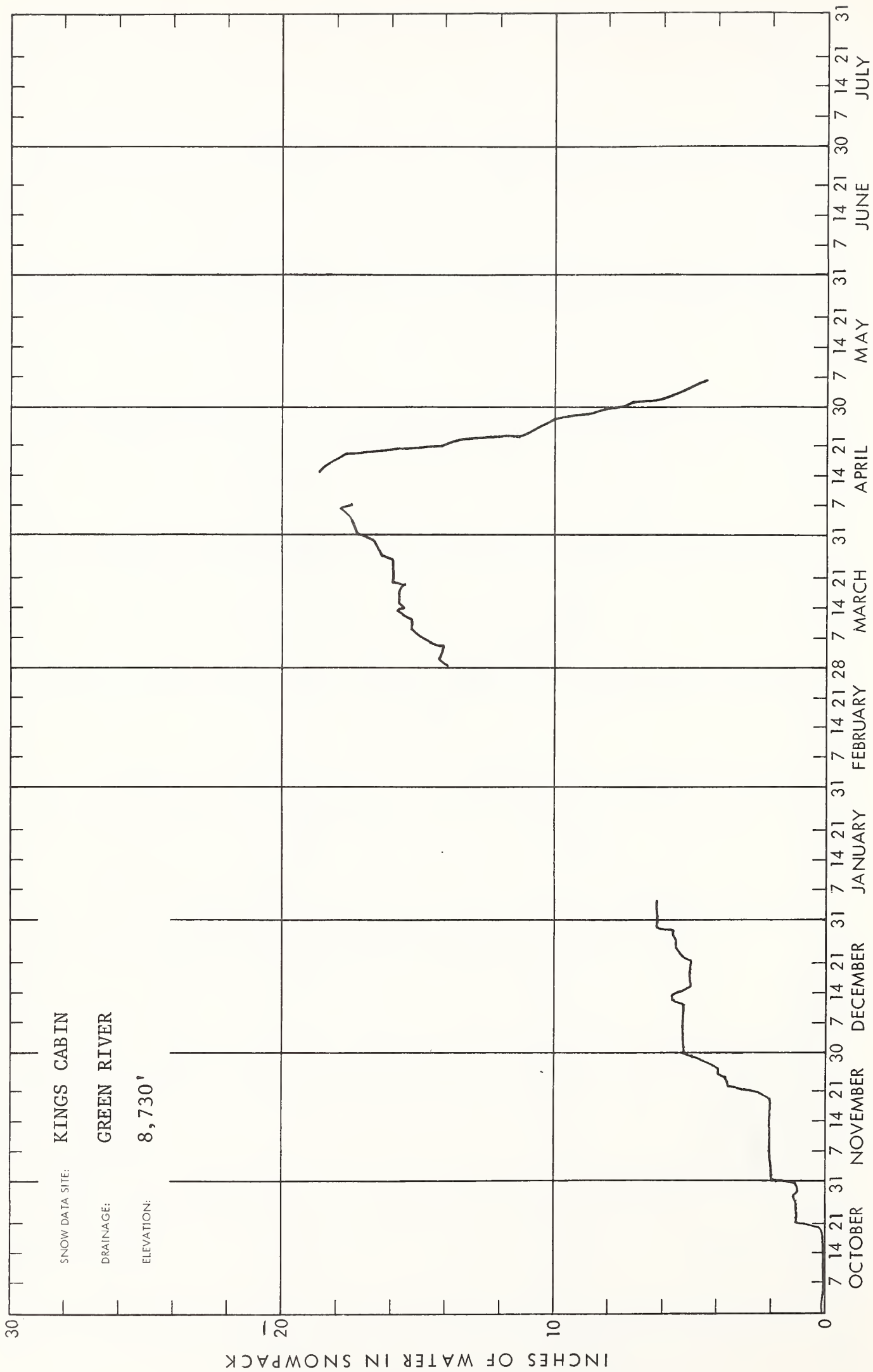




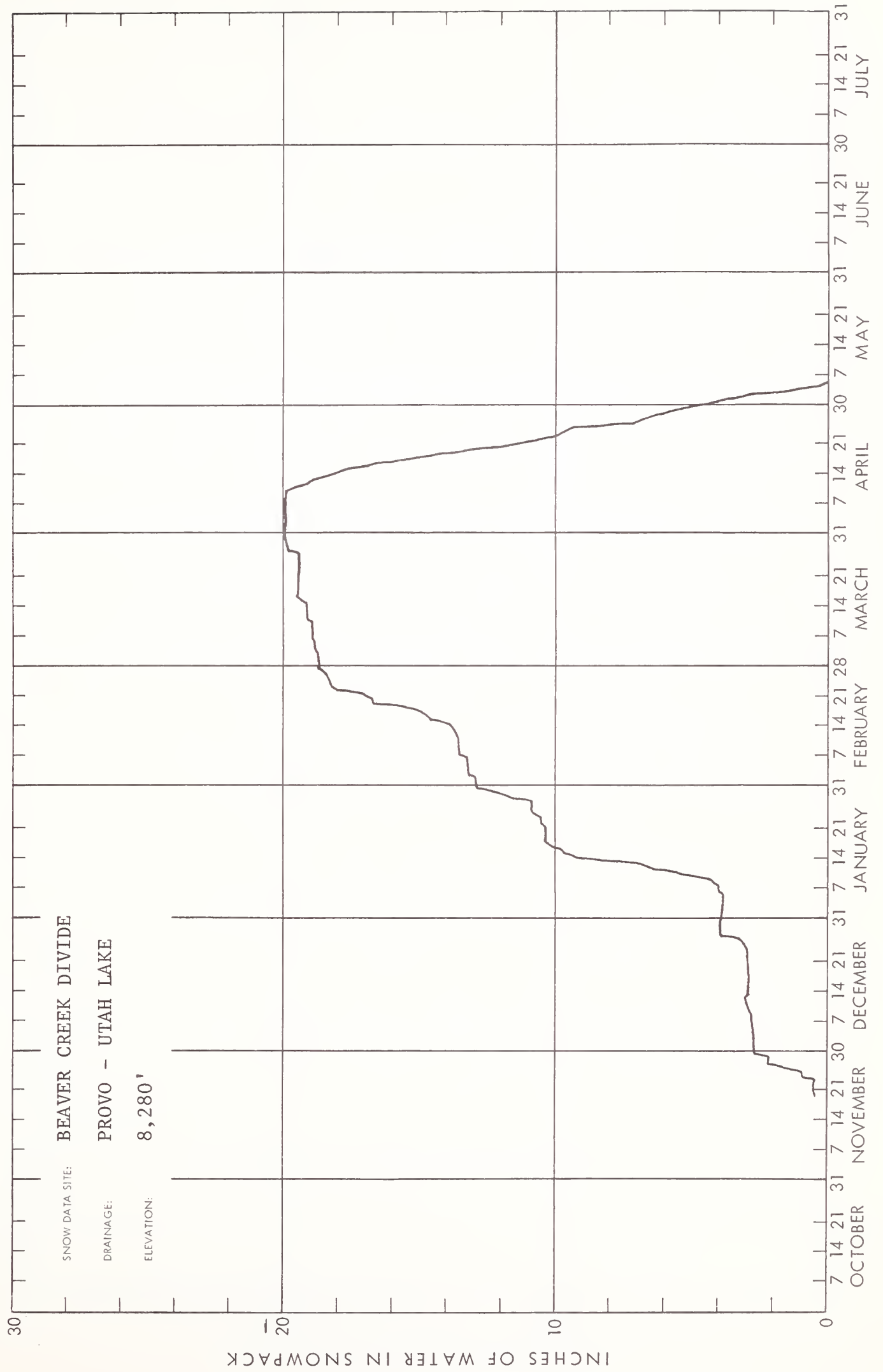


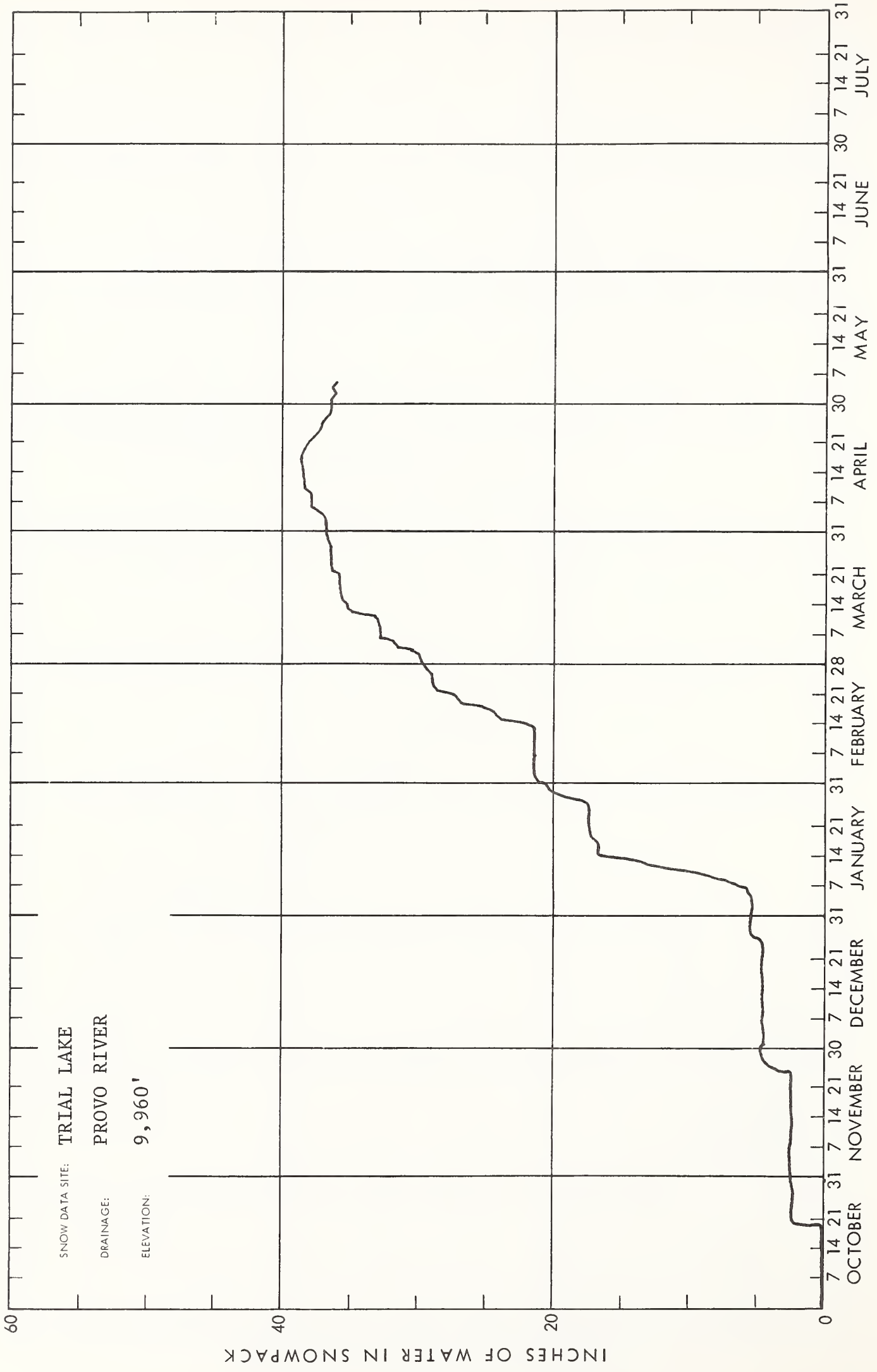


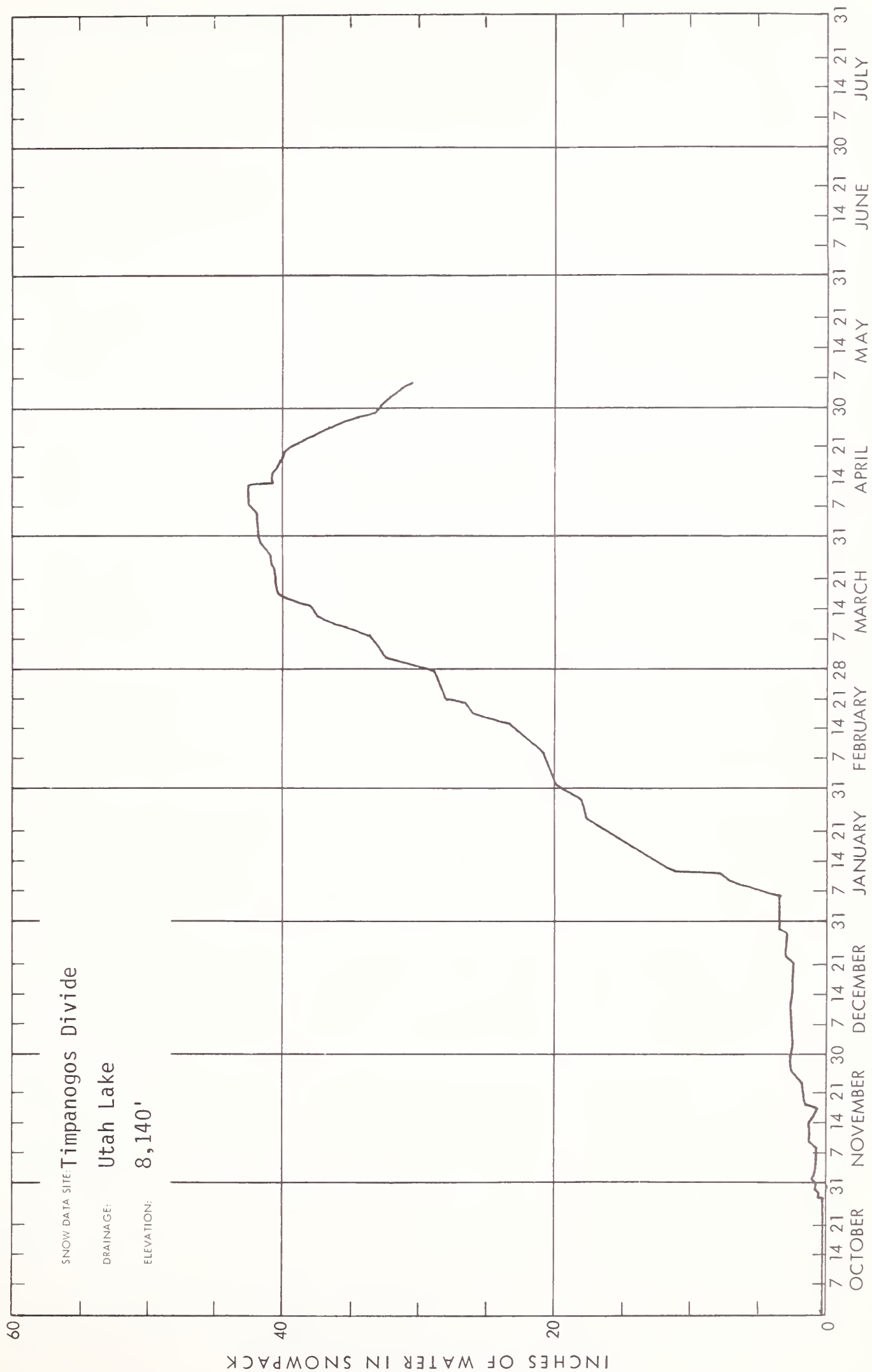


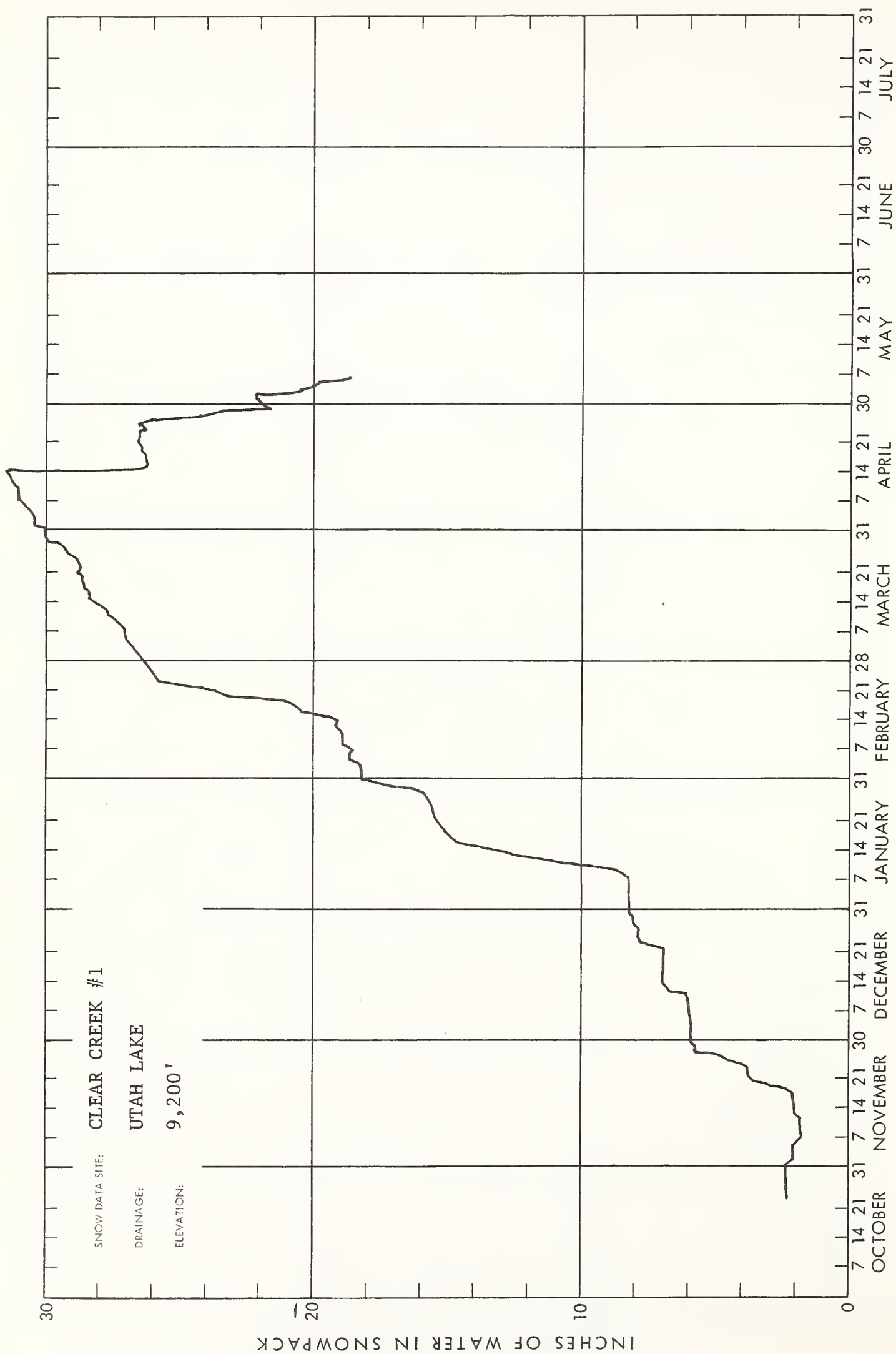




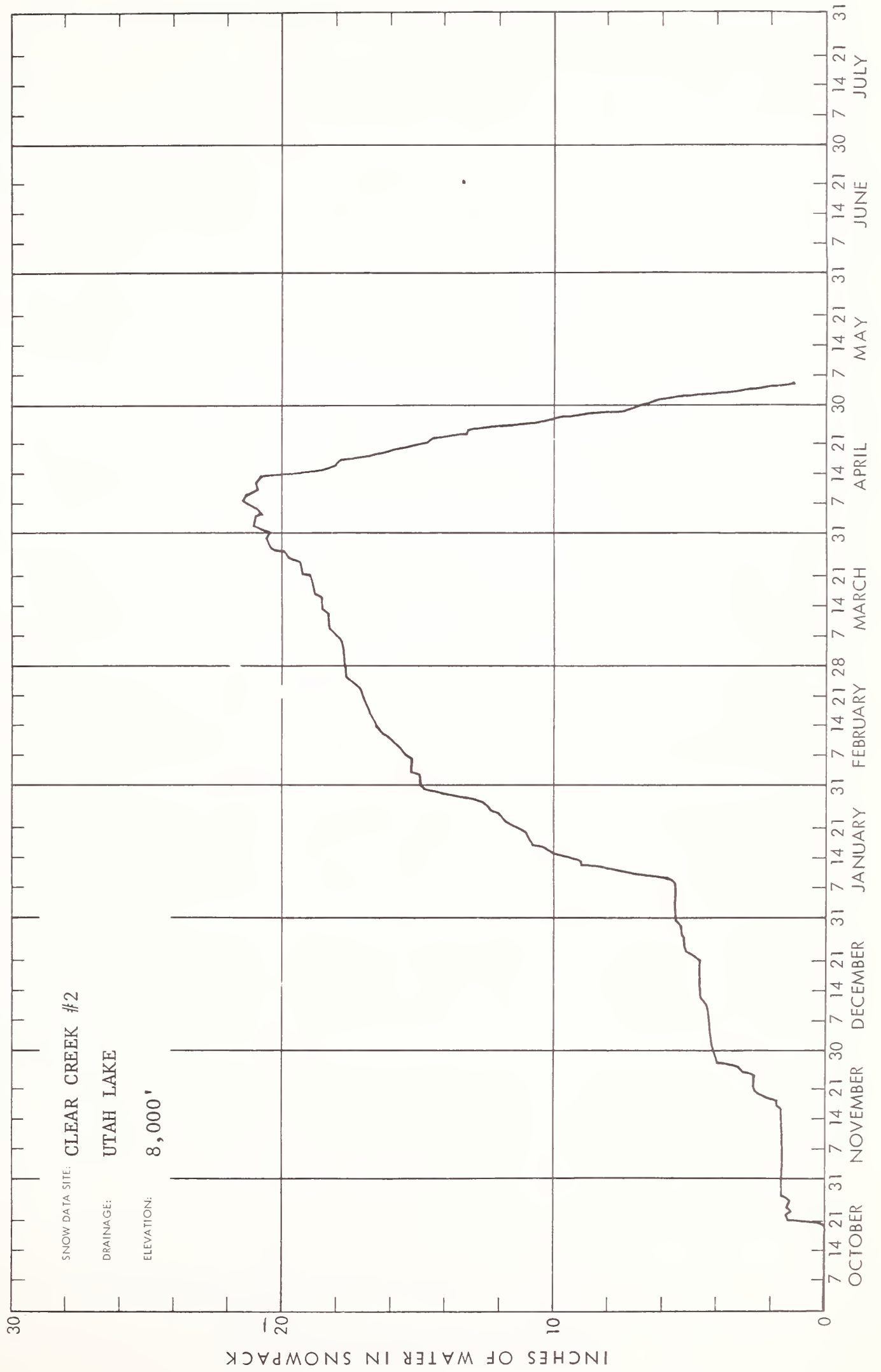


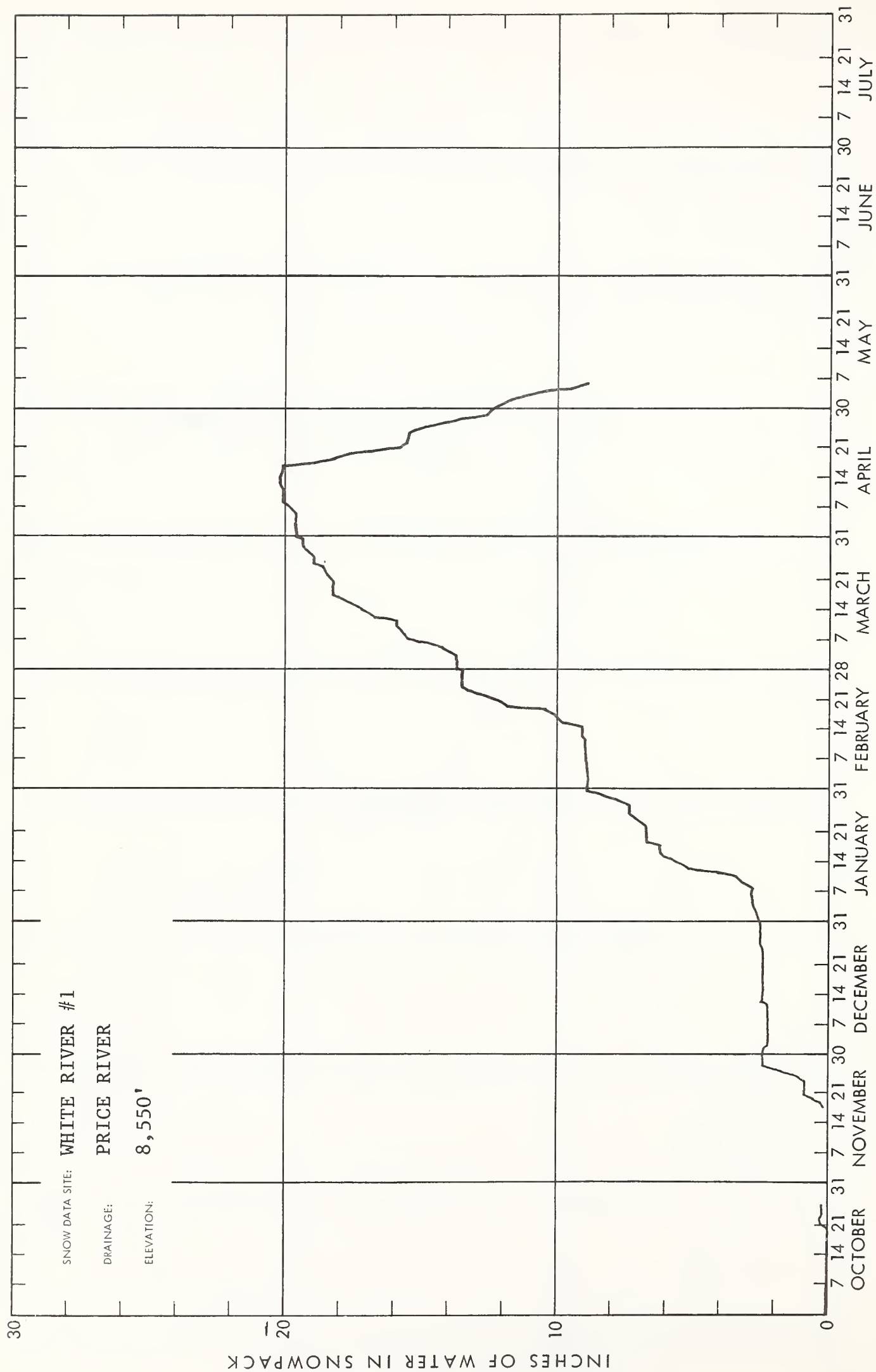


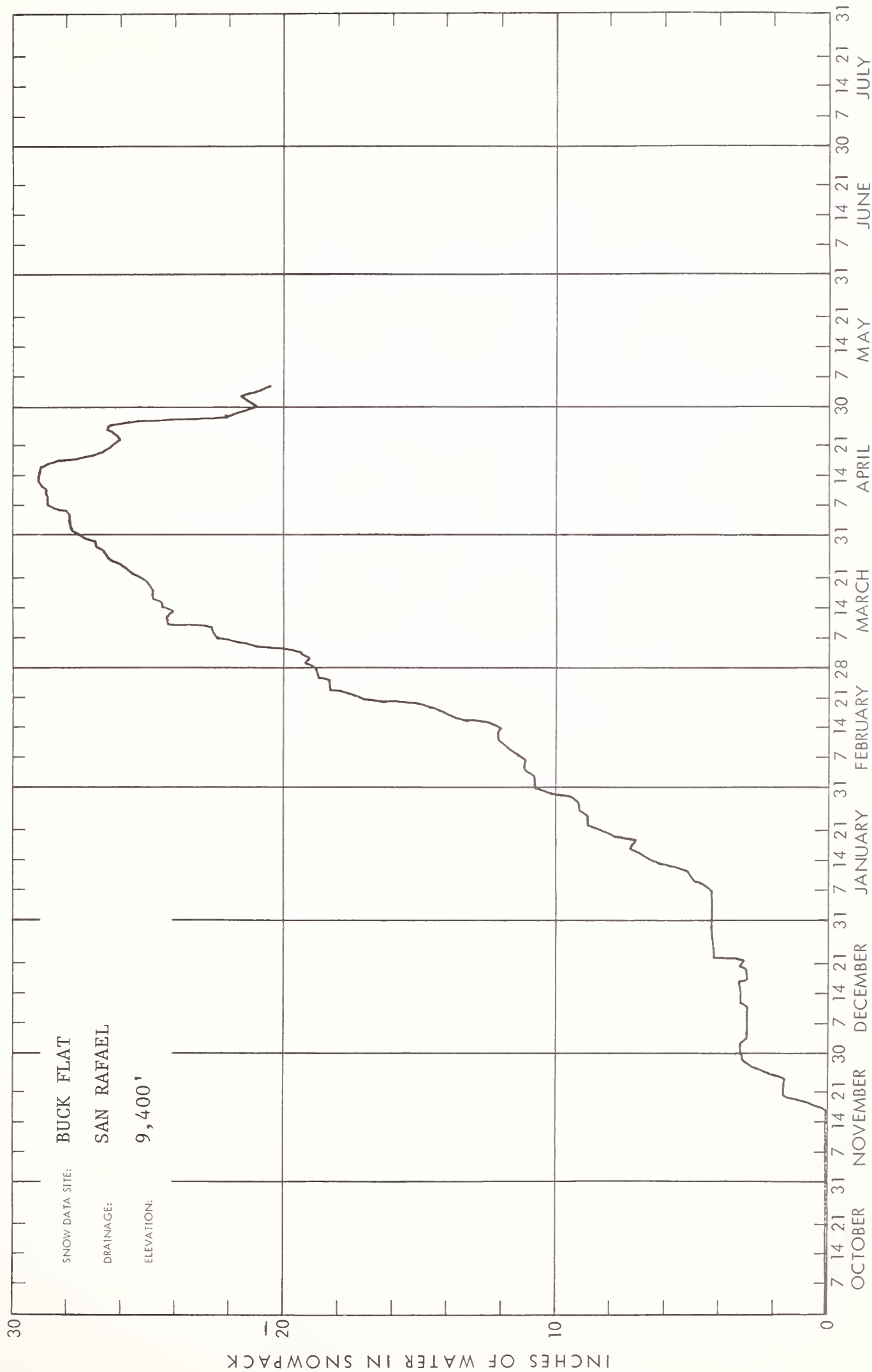


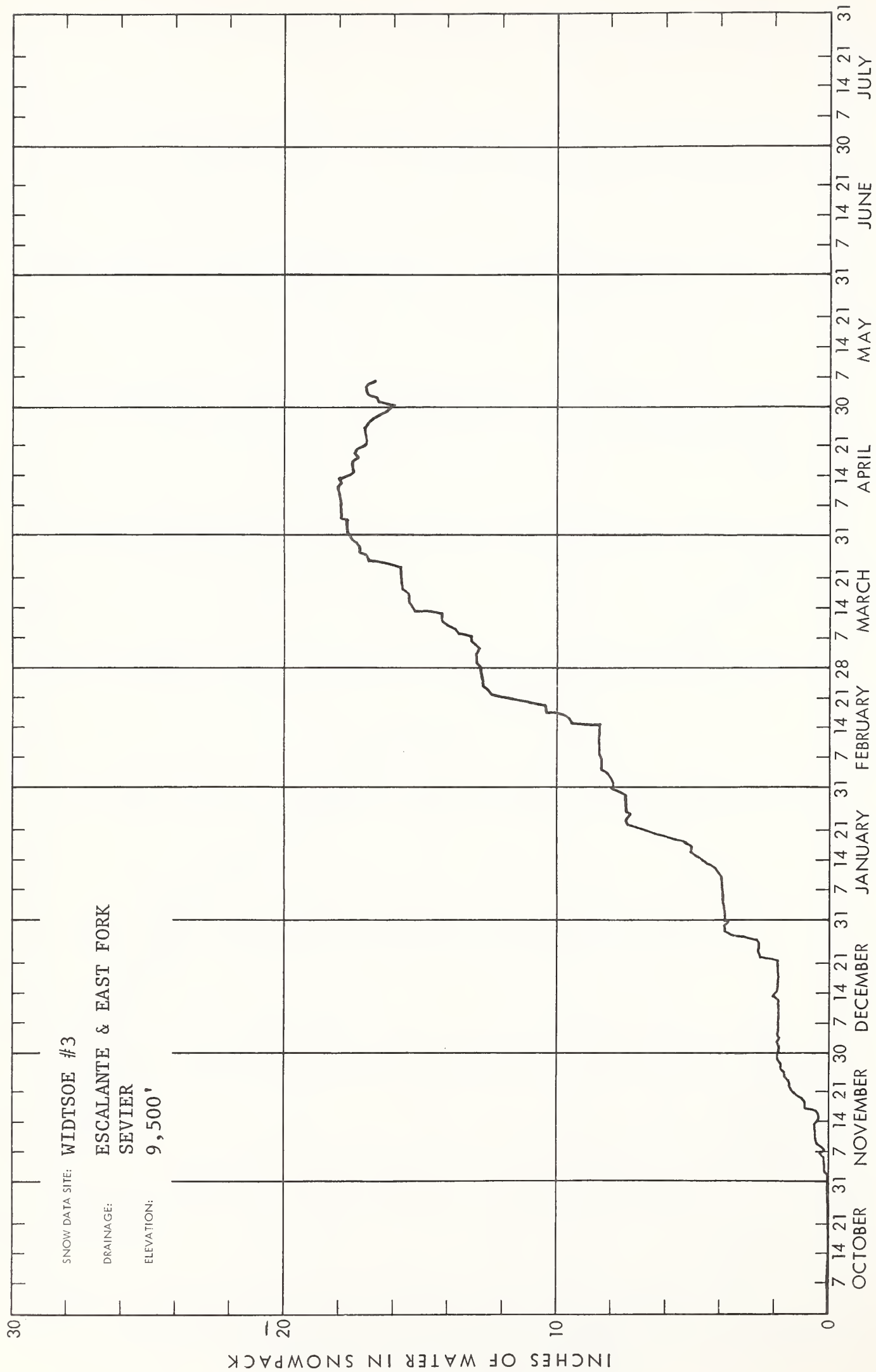




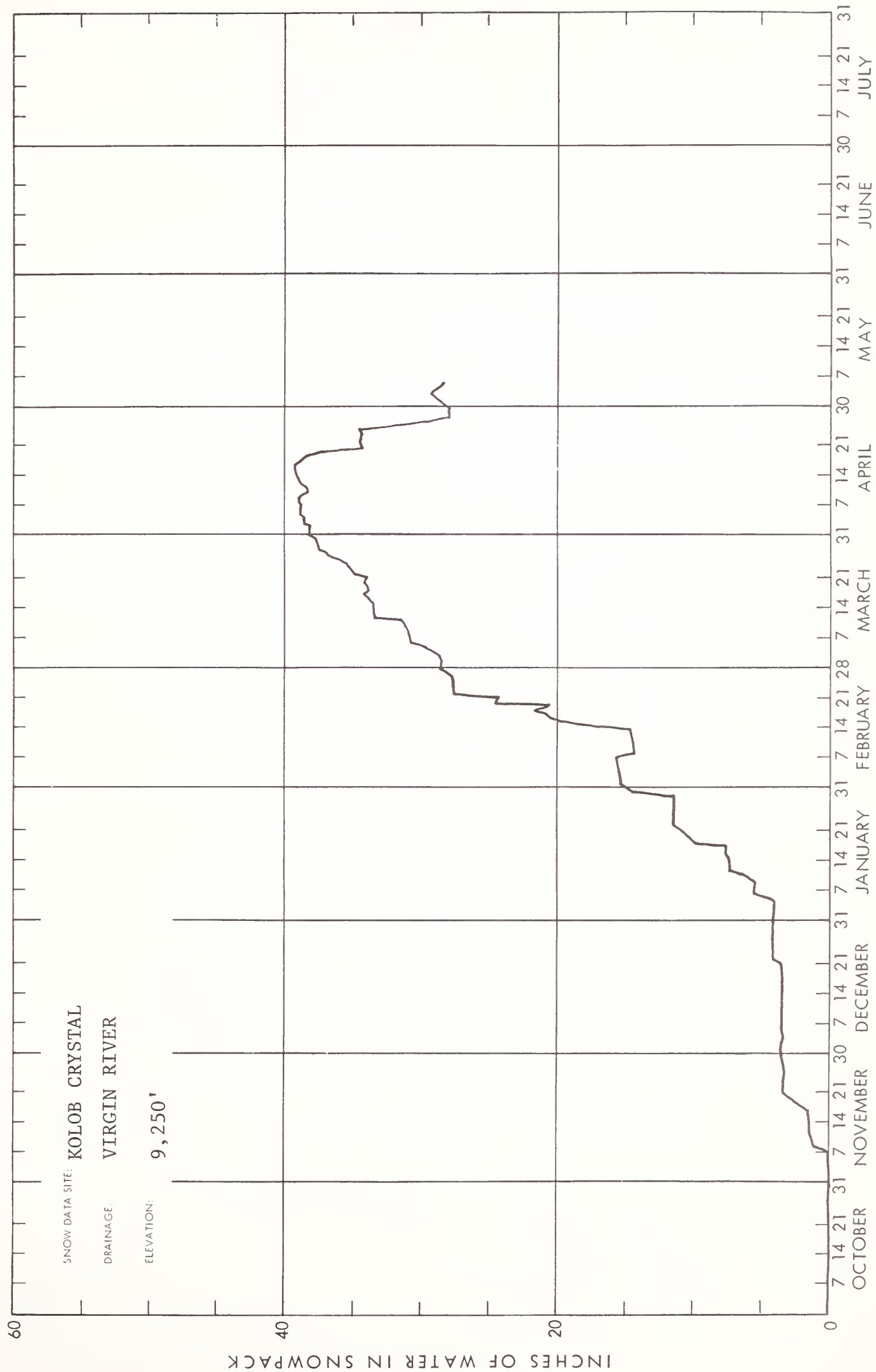
















## 4

## GREAT BASIN DRAINAGE



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